



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	15-109-20,836-00-00	
Company	Murfin Drilling Company, Inc.	
Well	KWS No.1-32	
Field	Wildcat	
County	Logan	State Kansas
Location	NW SE SE NW 2120' FNL & 2020' FWL	
Sec:	32	Twp: 12S Rge: 32W
Other Services	CNL/CDL MEL/BHCS	
Elevation	K.B. 3074 D.F. 3064 G.L. 3064	

Permanent Datum	Ground Level	Elevation 3064
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
Date	3/28/2009	
Run Number	One	
Depth Driller	4745	
Depth Logger	4745	
Bottom Logged Interval	4744	
Top Log Interval	0	
Casing Driller	8.625 @ 219	
Casing Logger	213	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	4.500	
Density / Viscosity	9.1	53
pH / Fluid Loss	11.5	6.0
Source of Sample	Flowline	
Rm @ Meas. Temp	.85	@ 68
Rmf @ Meas. Temp	.64	@ 68
Rmc @ Meas. Temp	1.15	@ 68
Source of Rmf / Rmc	Charts	
Rm @ BHT	.47	@ 123
Operating Rig Time	4 1/2 Hours	
Max Rec. Temp. F	123	
Equipment Number	15	
Location	Hays	
Recorded By	C. Desaire	
Witnessed By	Tom Funk	

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Thank you for using Log-Tech, Inc.
 (785) 625-3858
 Oakley, S to Gove Rd, 3 W, 3/4 N, E Into

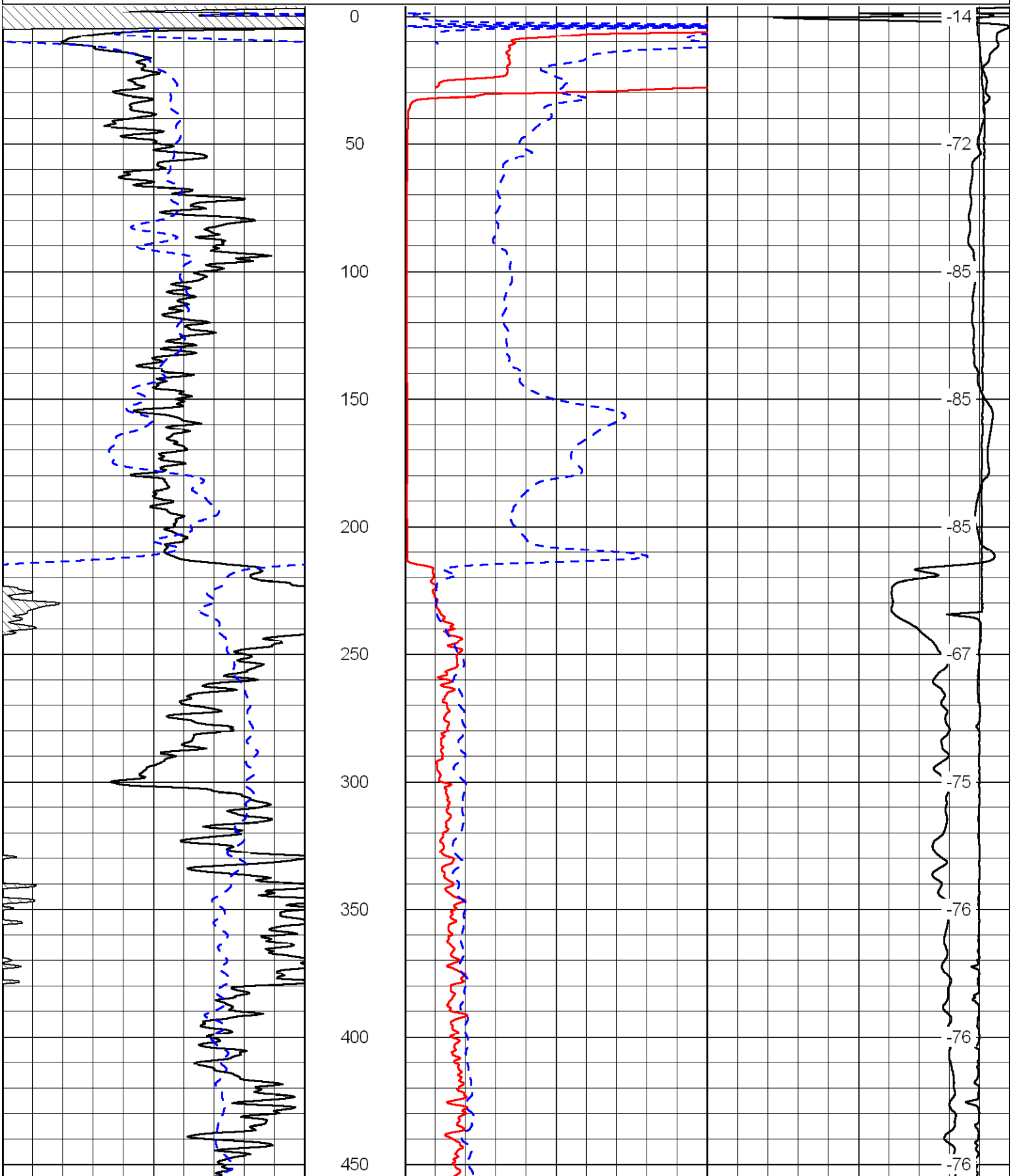
Database File: c:\warrior\data\murfin_kws no.1-32\mrfnkws hd.db
 Dataset Pathname: dil/mrfnstk
 Presentation Format: dil2in
 Dataset Creation: Sun Mar 29 13:17:27 2009
 Charted by: Depth in Feet scaled 1:600

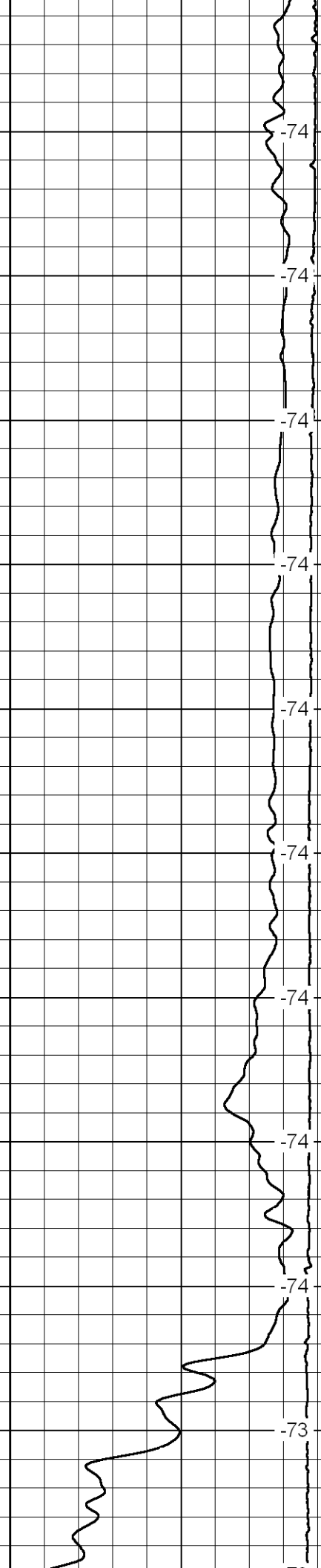
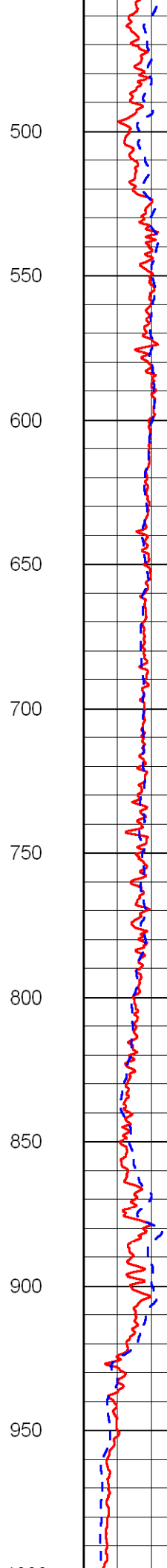
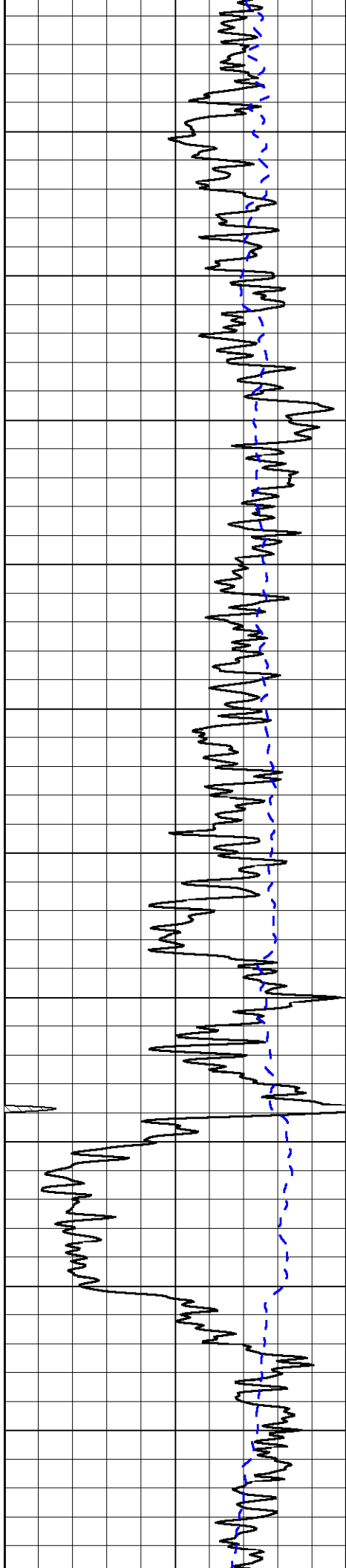
0 Gamma Ray 150
-200 SP (MV) 0

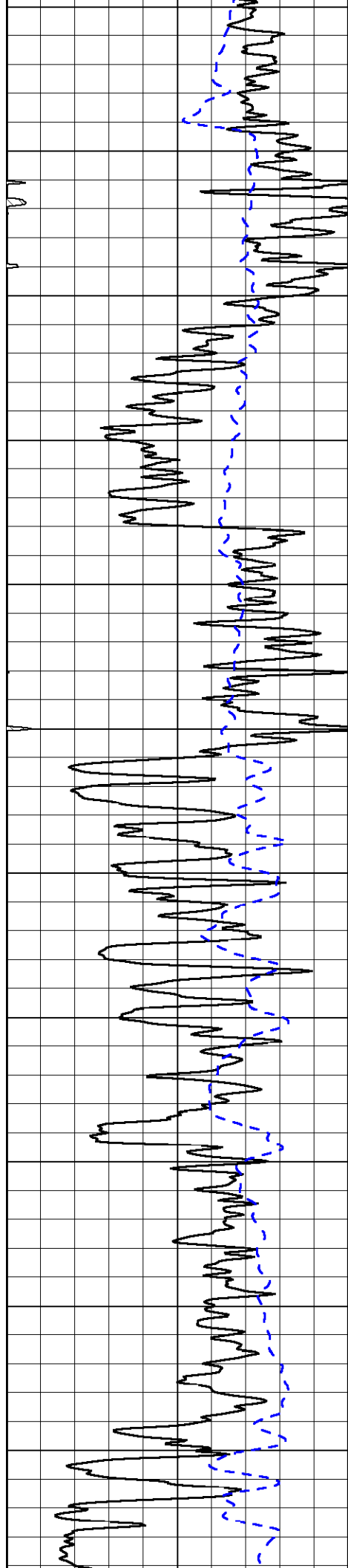
0 Shallow Resistivity (Ohm-m) 50
0 Deep Resistivity (Ohm-m) 50
1000 Conductivity (mmho/m) 0
15000 Line Tension (lb) 0

LSPD
(ft/min)

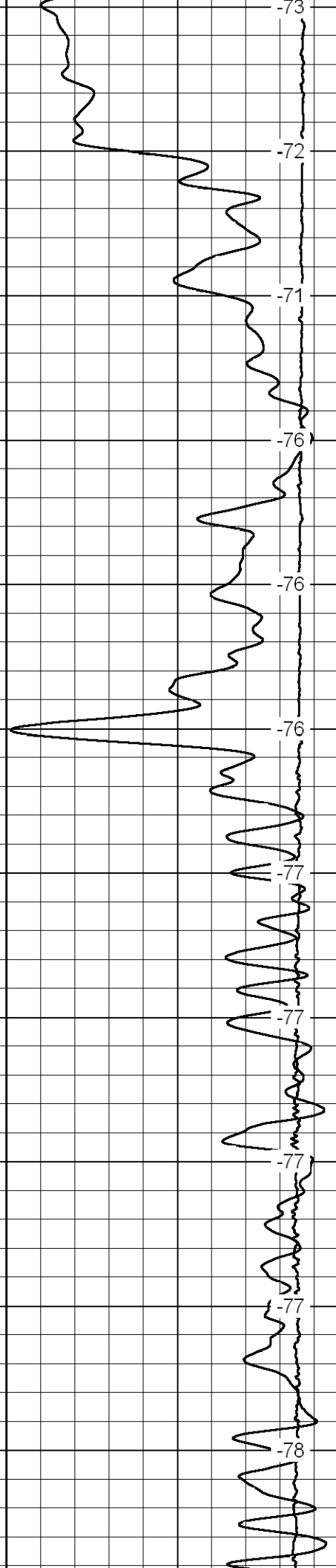
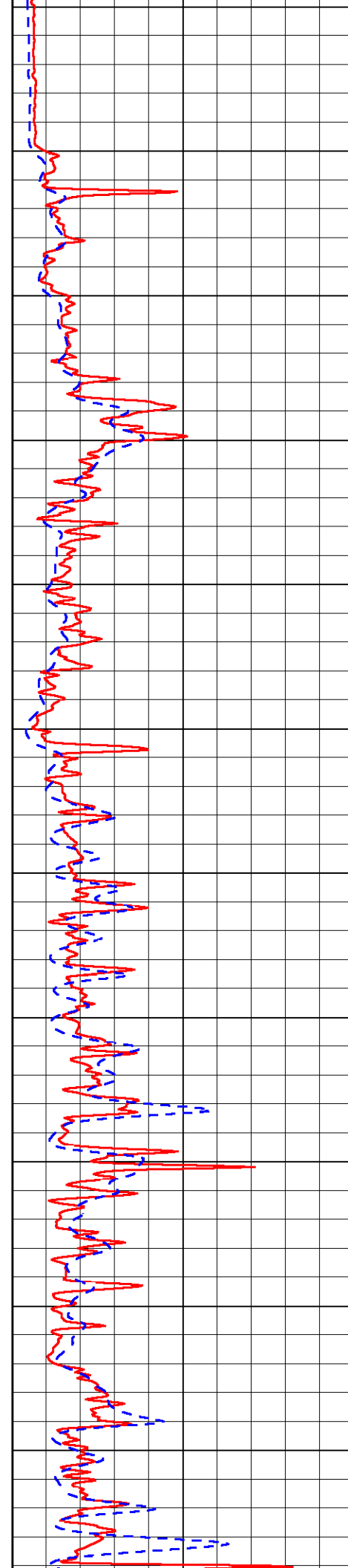
Shallow Resistivity
50 (Ohm-m) 500
50 Deep Resistivity (Ohm-m) 500

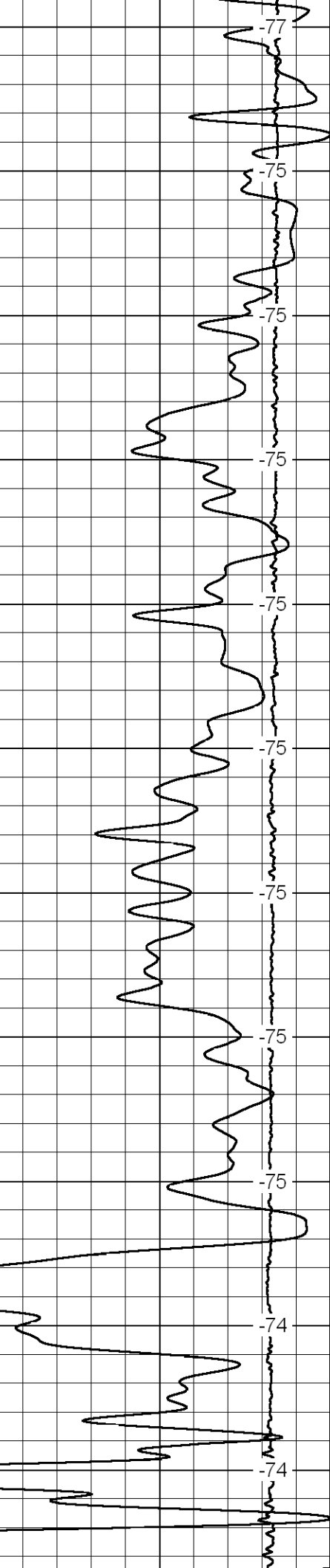
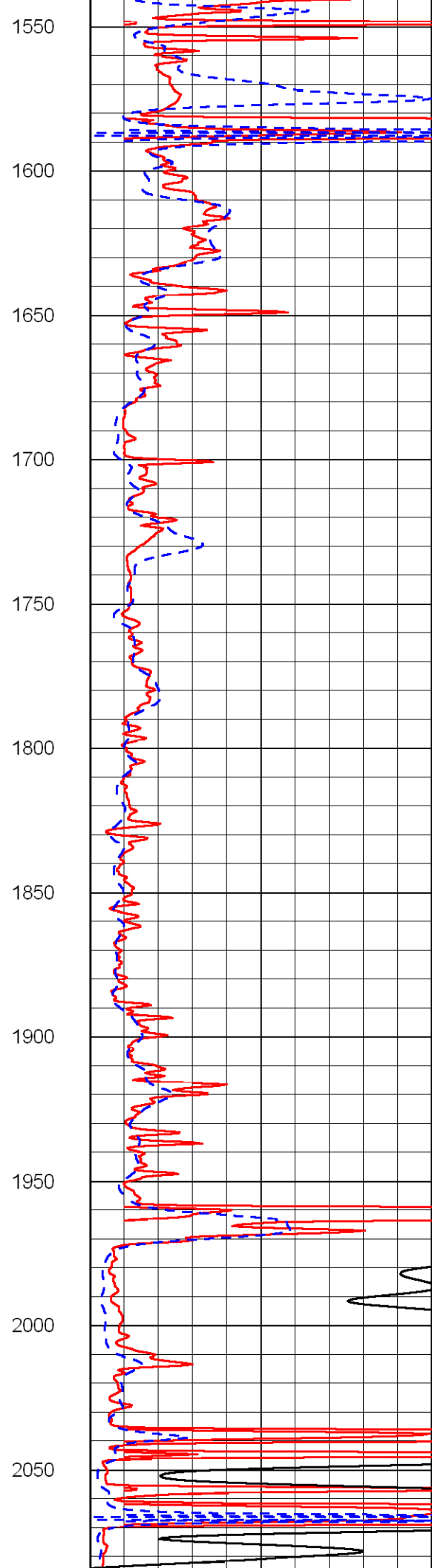
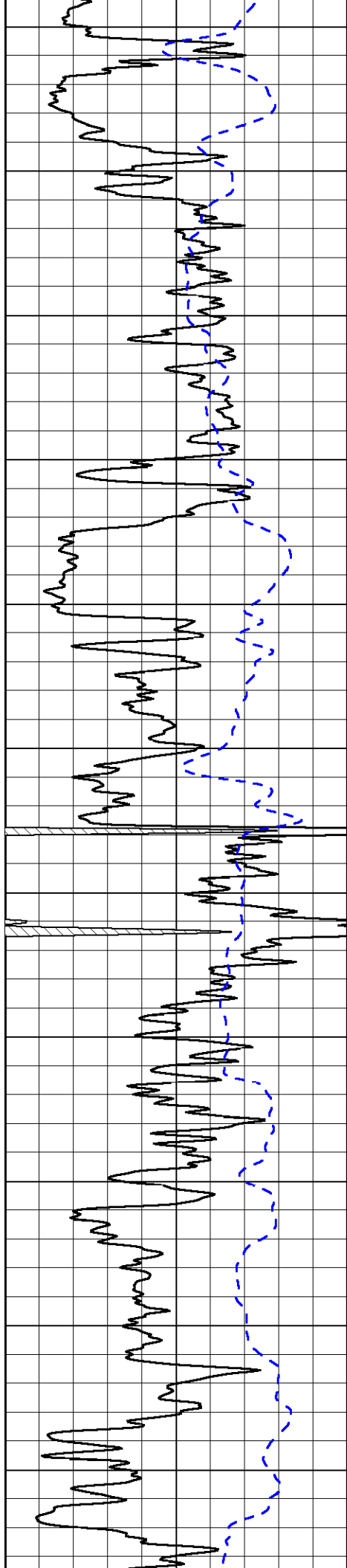


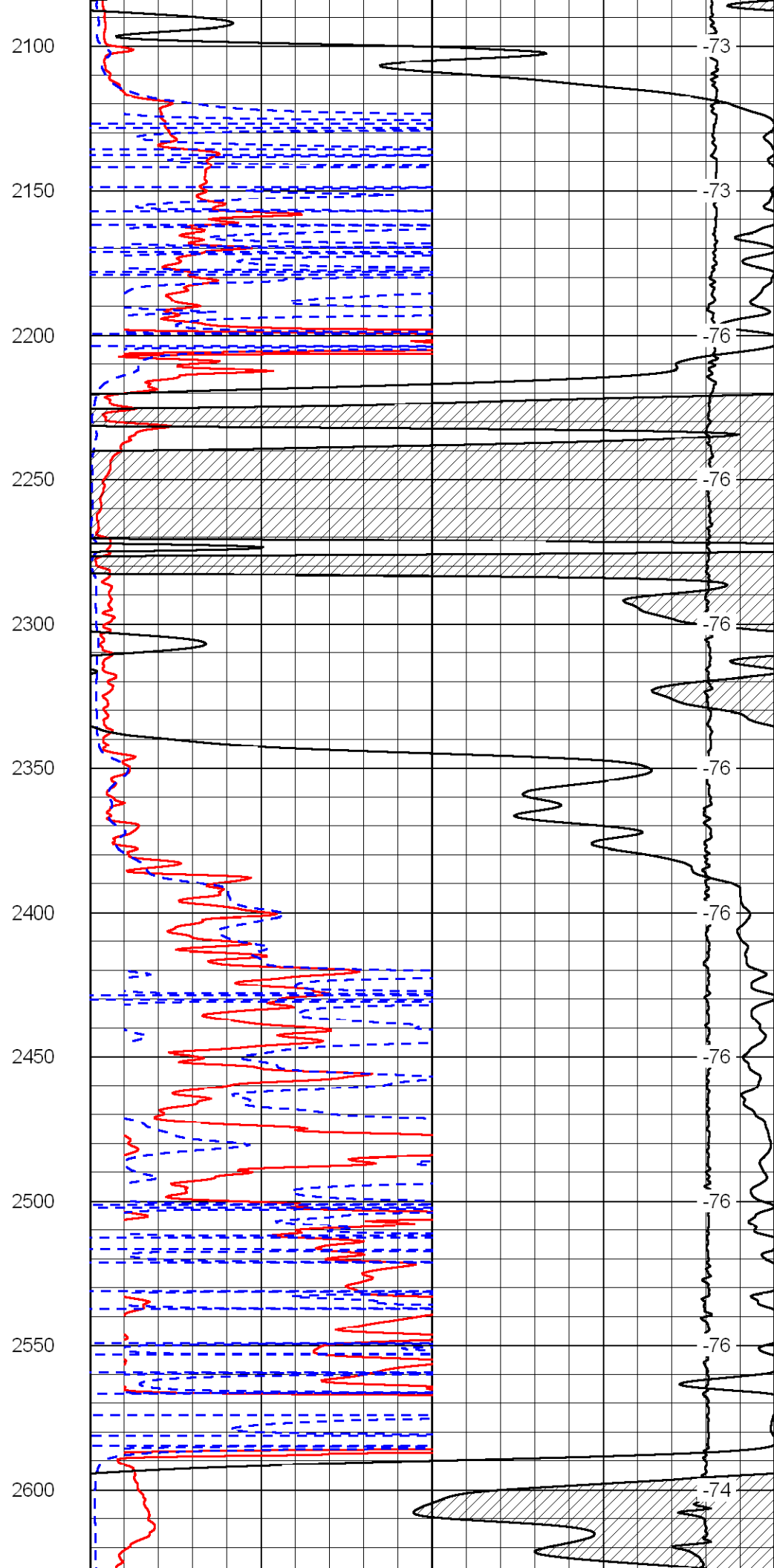
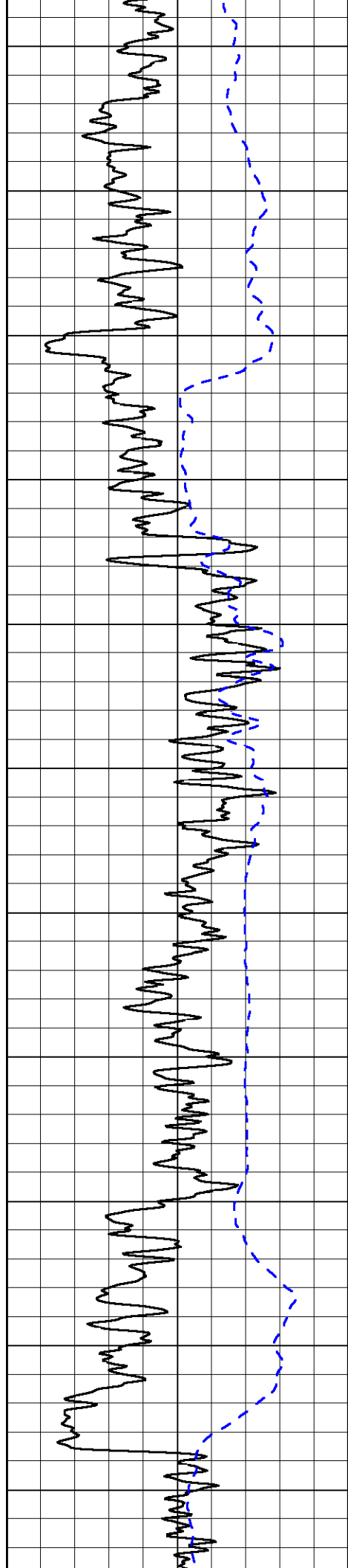


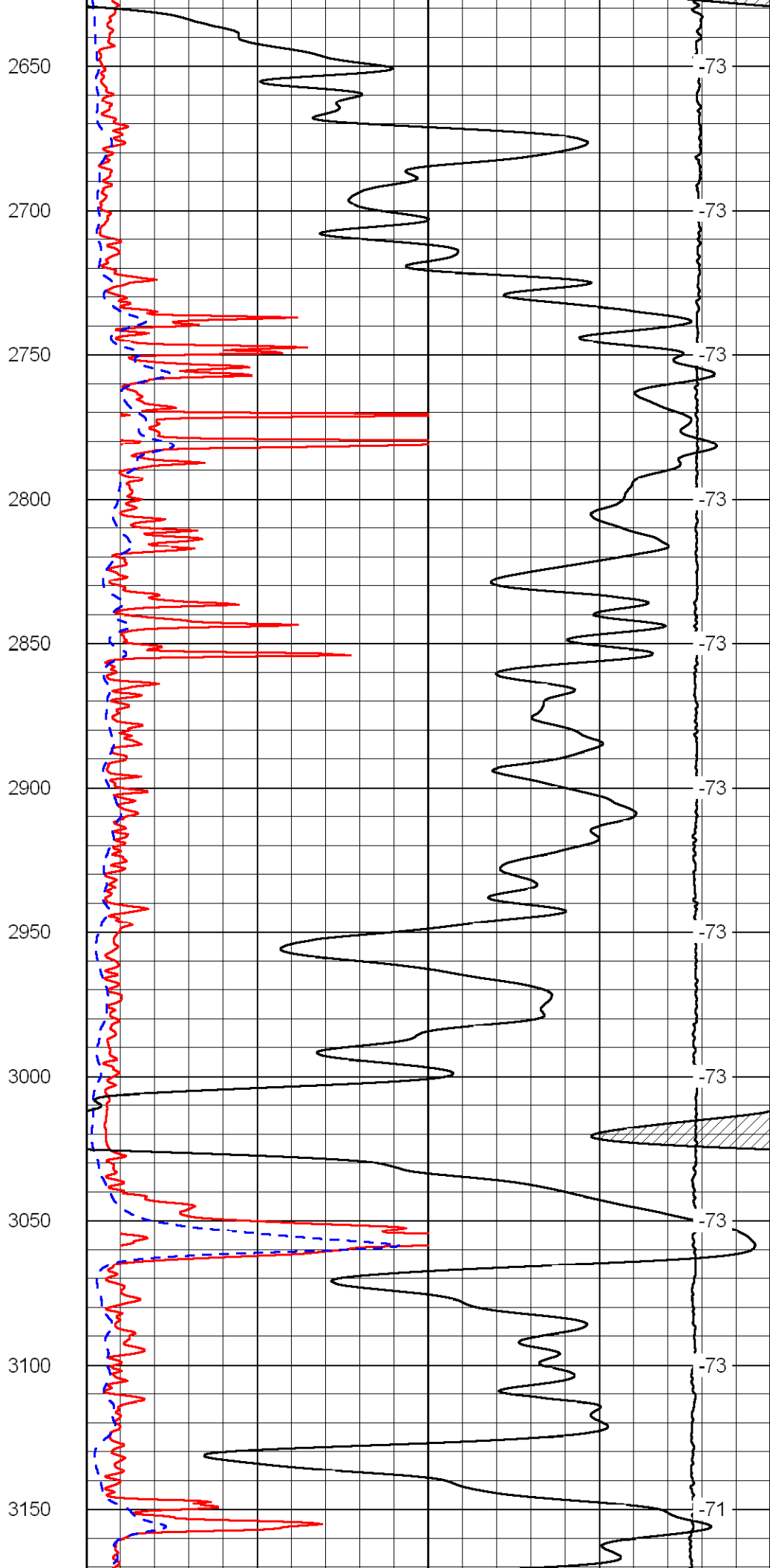
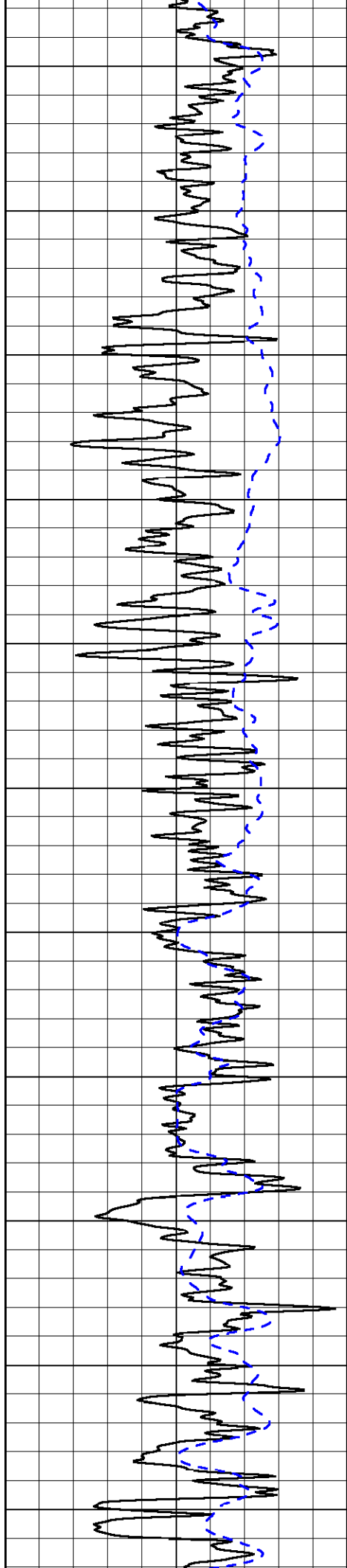


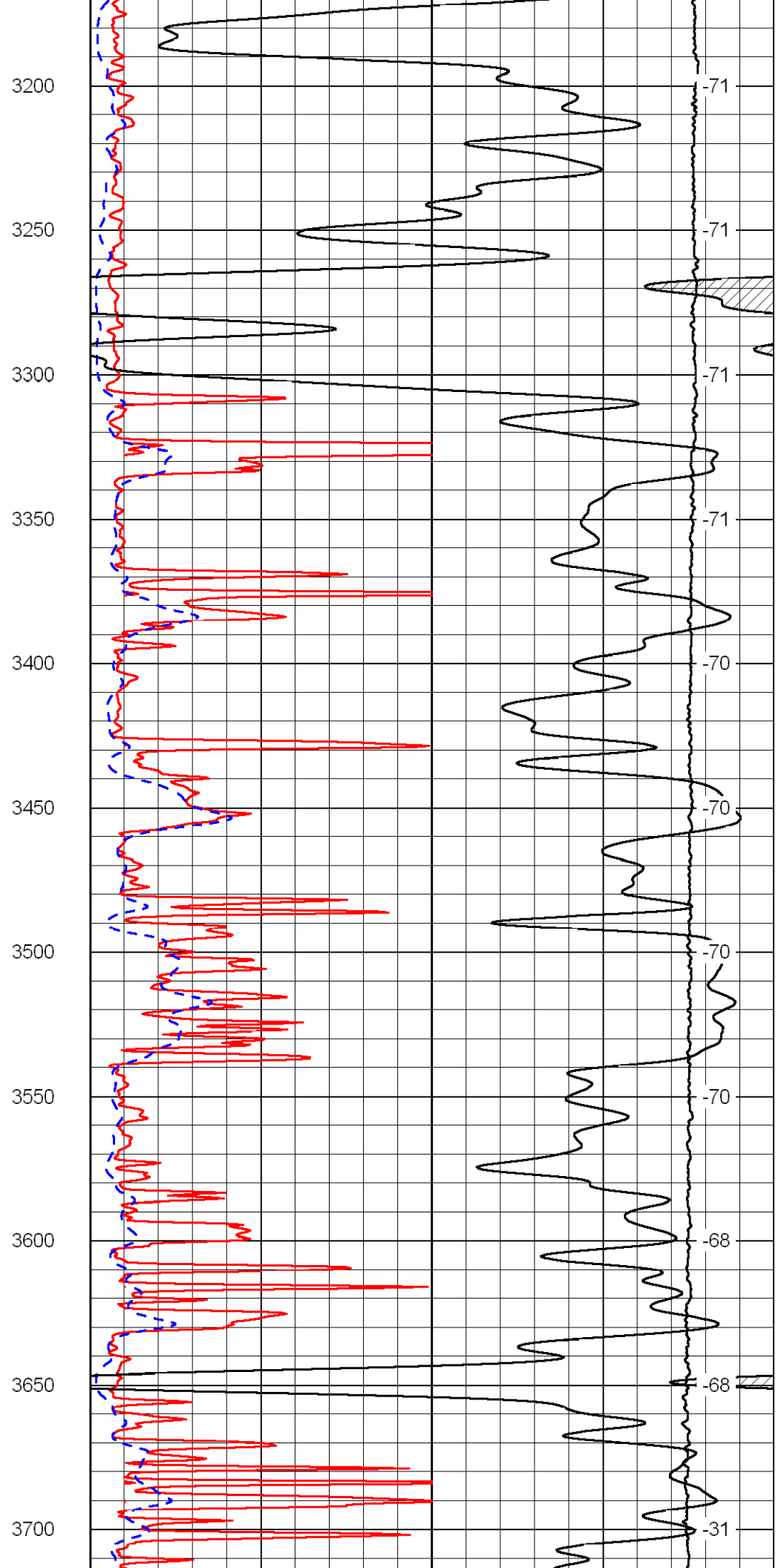
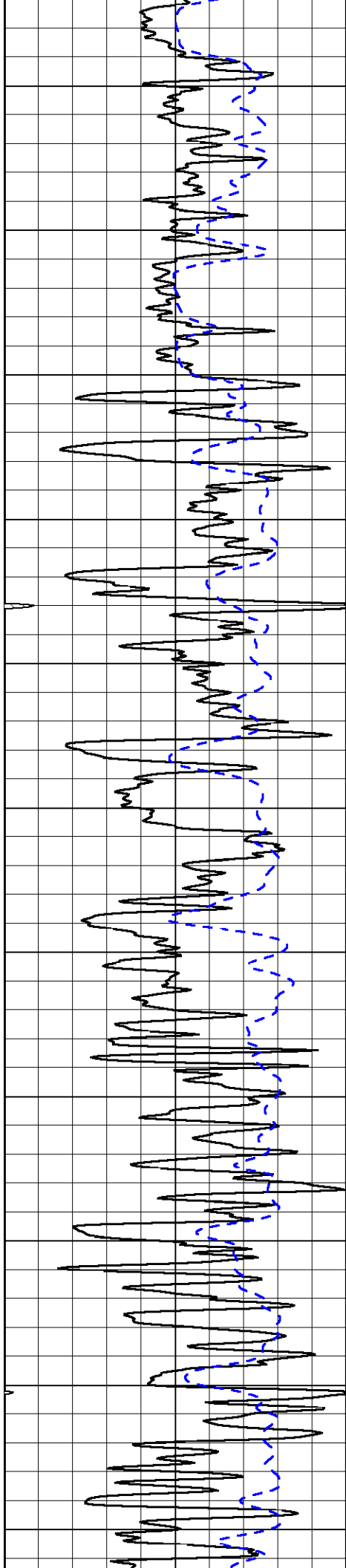
1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500

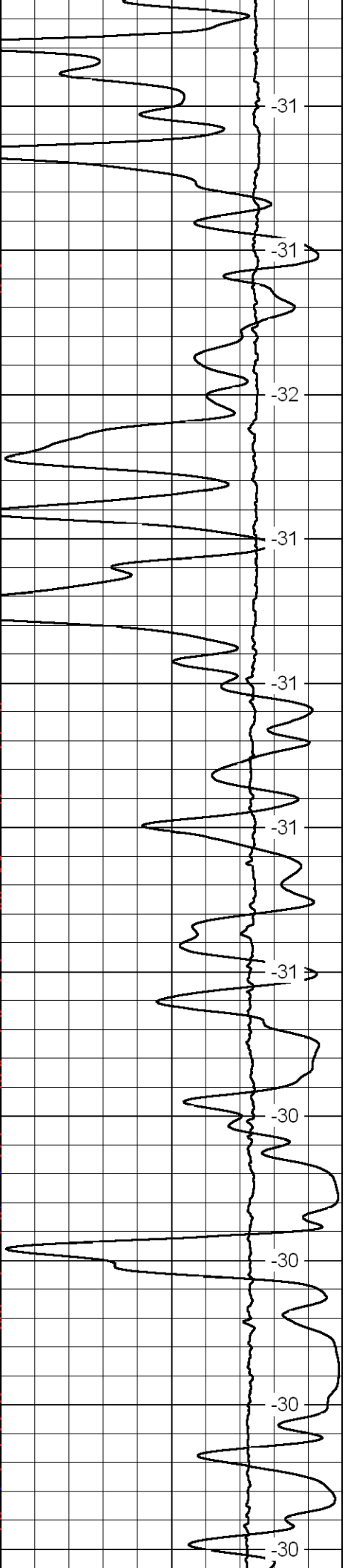
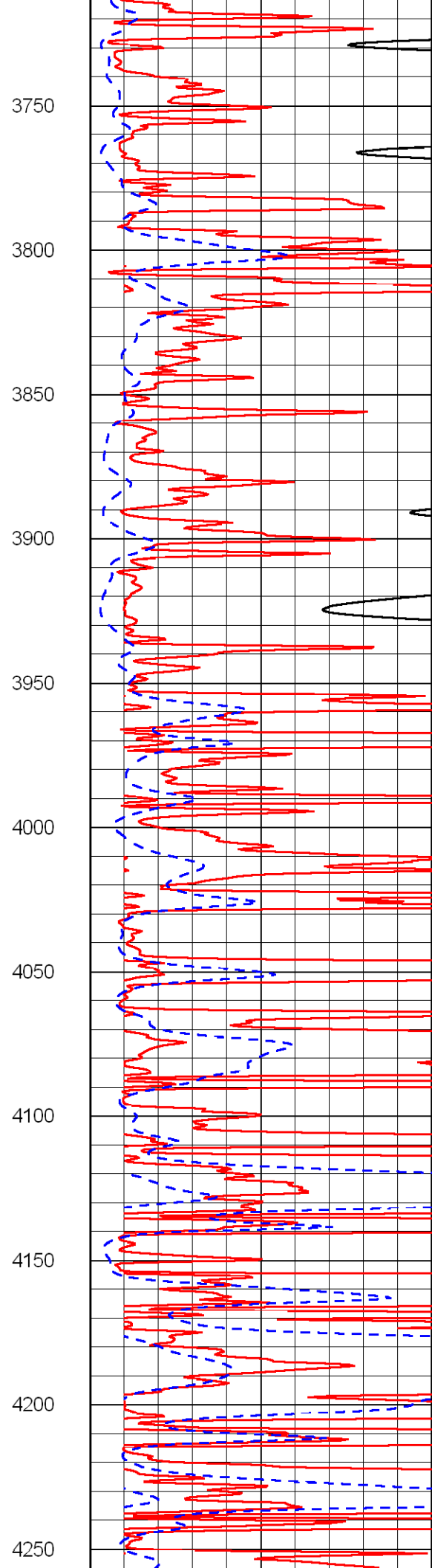
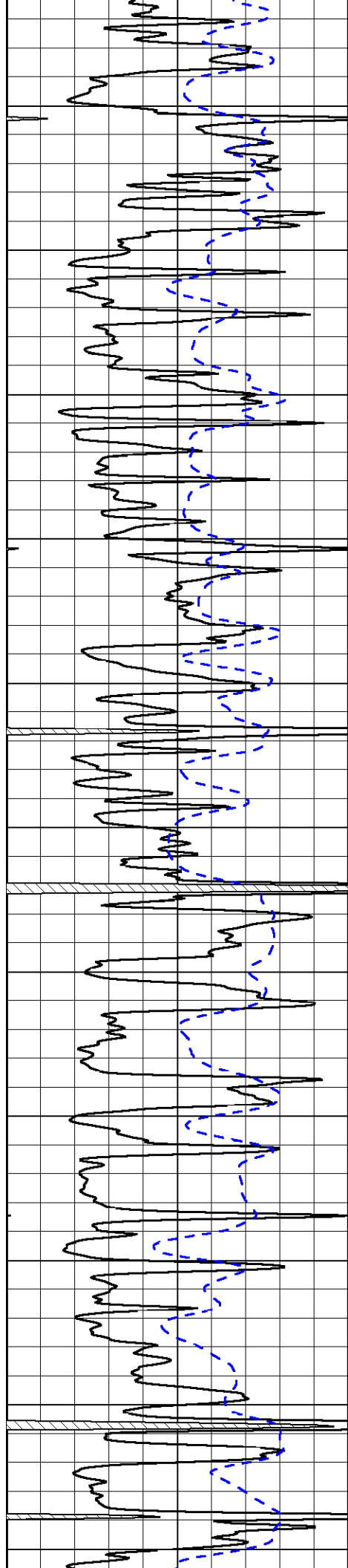


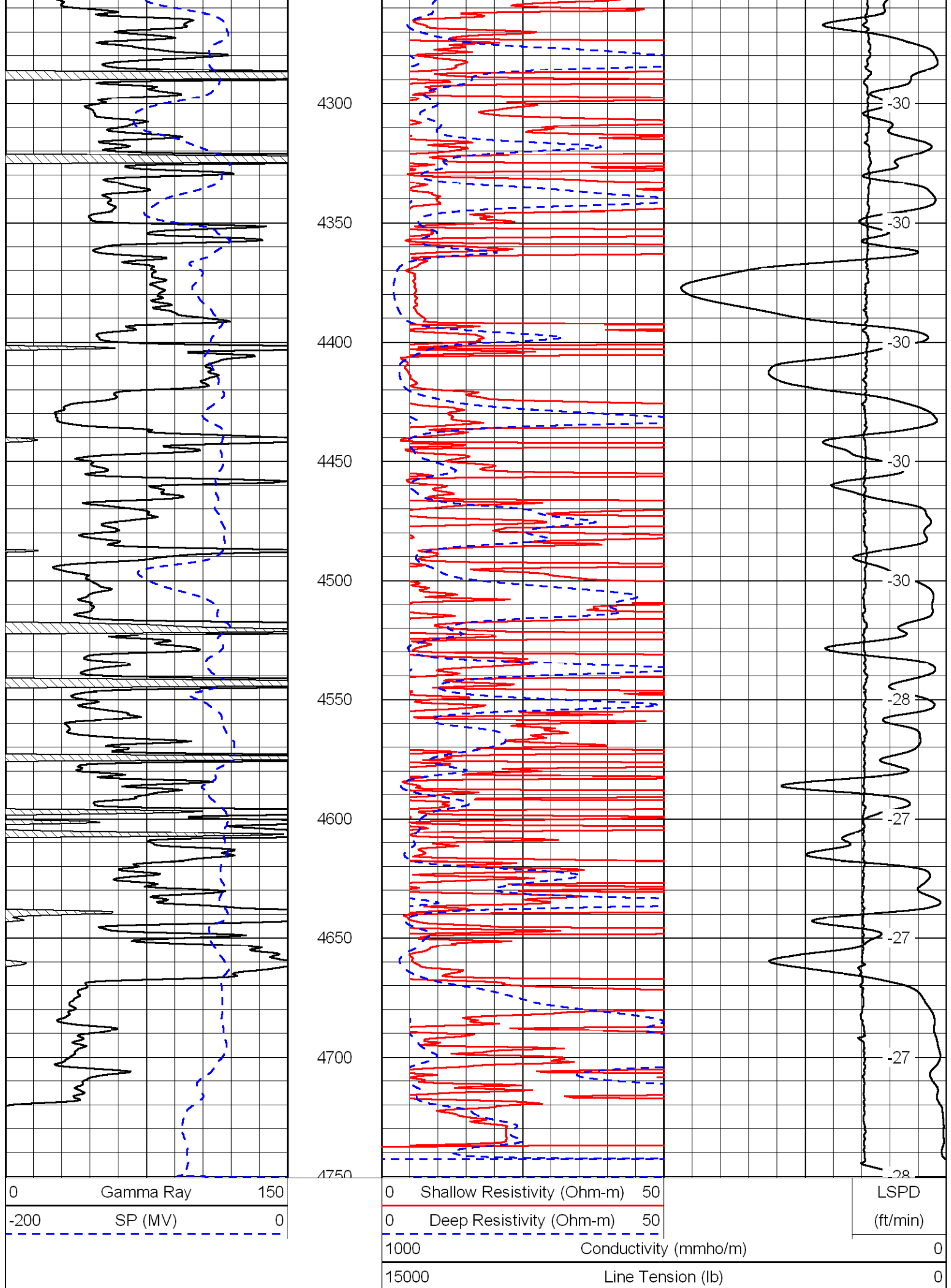












Shallow Resistivity

50 (Ohm-m) 500

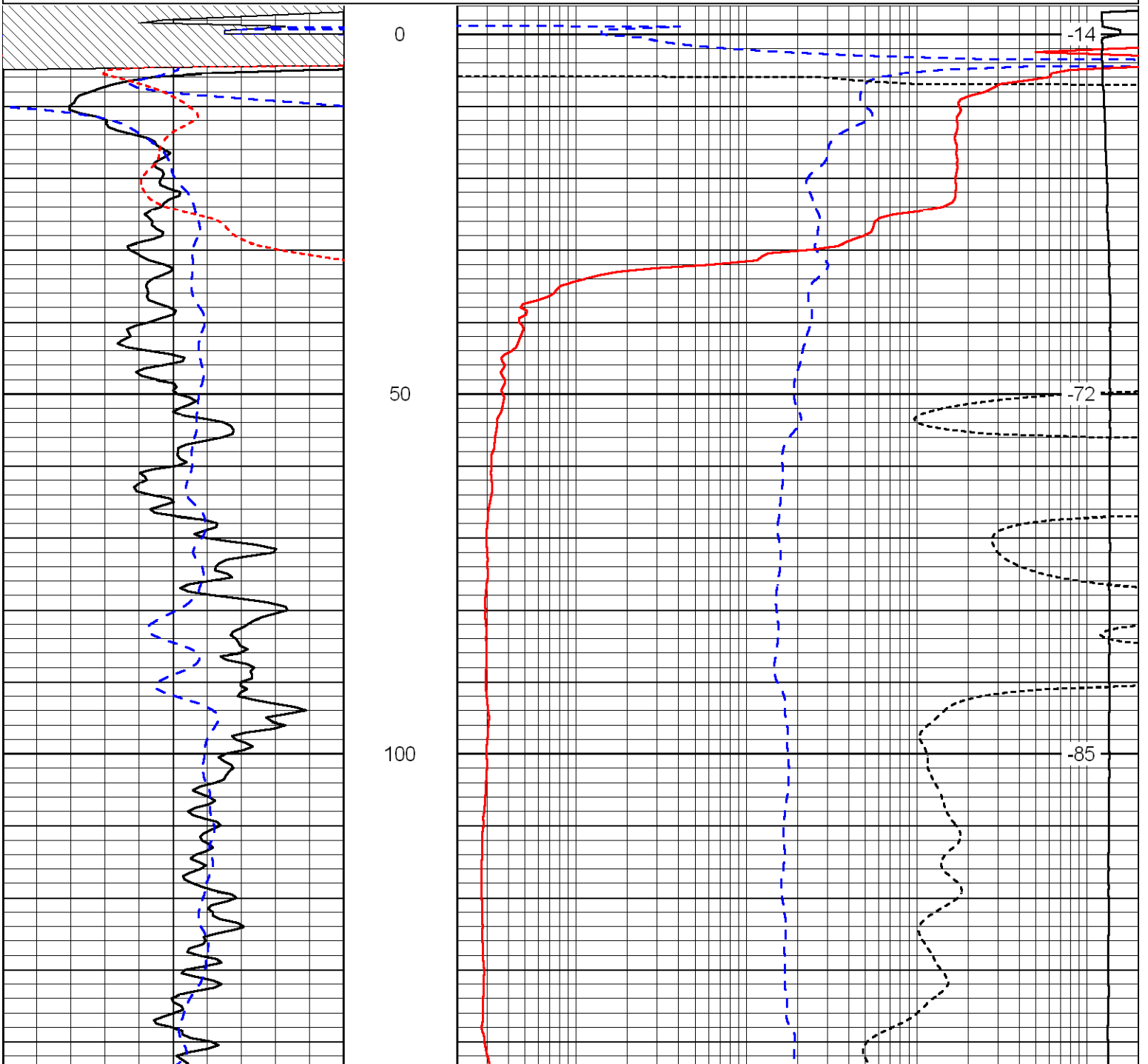
50 Deep Resistivity (Ohm-m) 500

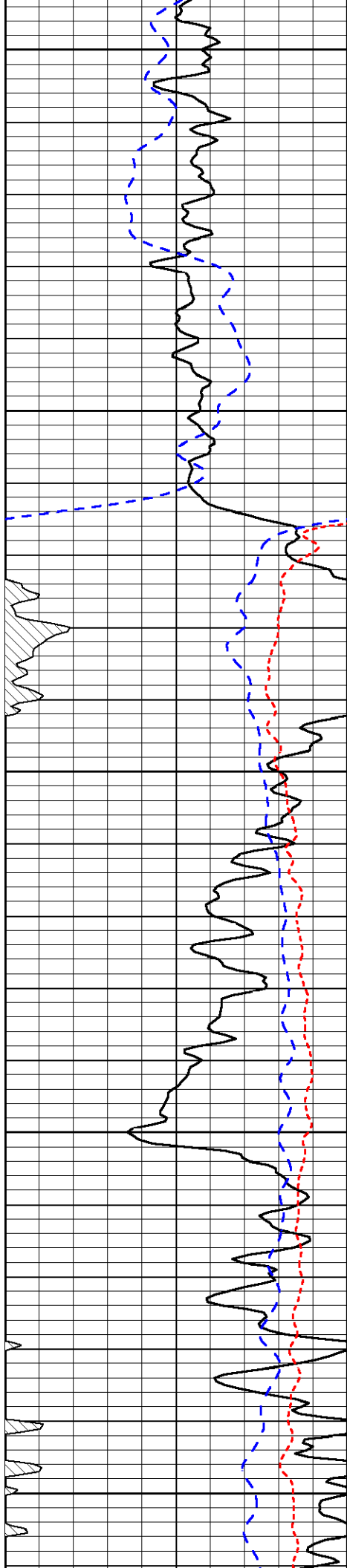
Database File: c:\warrior\data\murfin_kws no.1-32\mrfnkwsd.db
 Dataset Pathname: dil/mrfnstk
 Presentation Format: dil
 Dataset Creation: Sun Mar 29 13:17:27 2009
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
-200	SP (MV)	0
-160	Rxo / Rt	40

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
15000	Line Tension (lb)	0

LSPD
(ft/min)





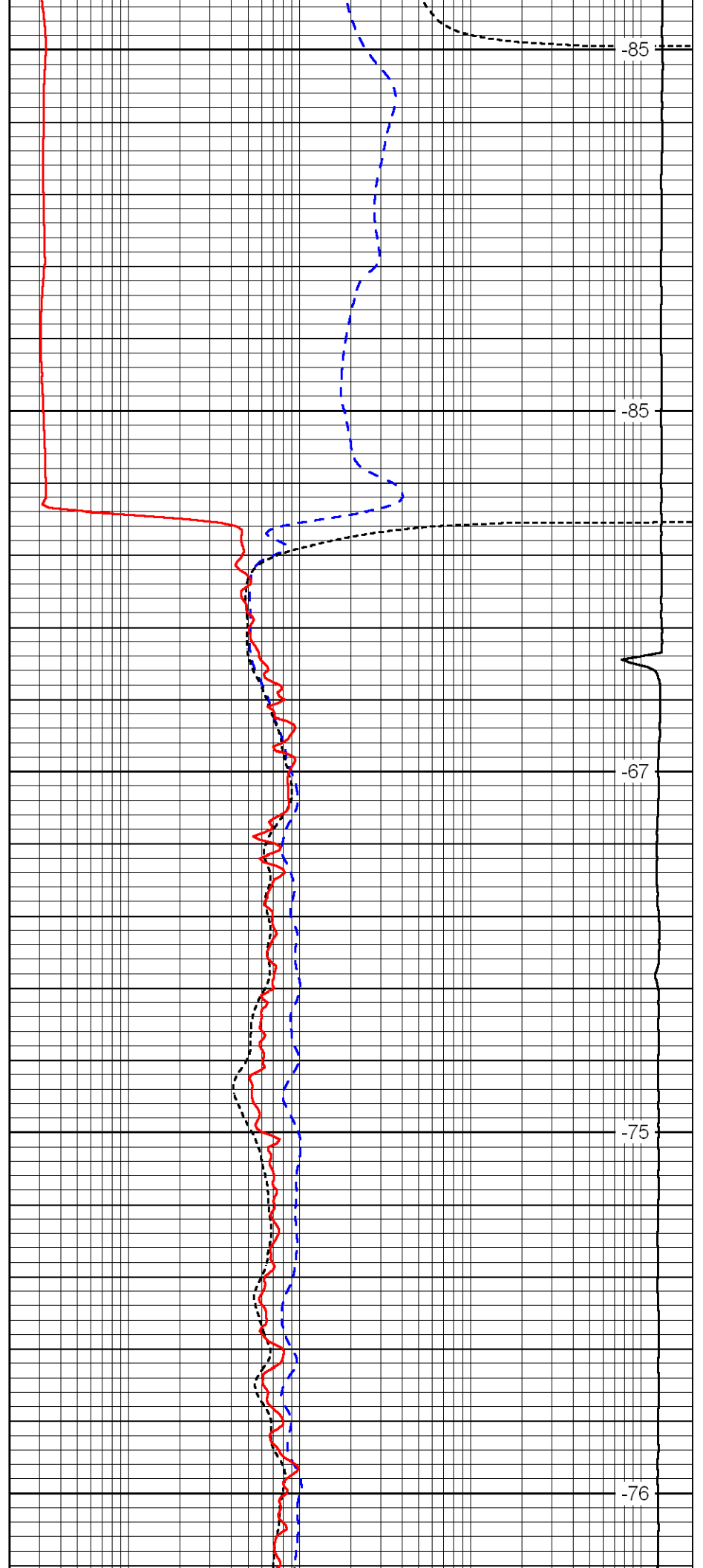
150

200

250

300

350



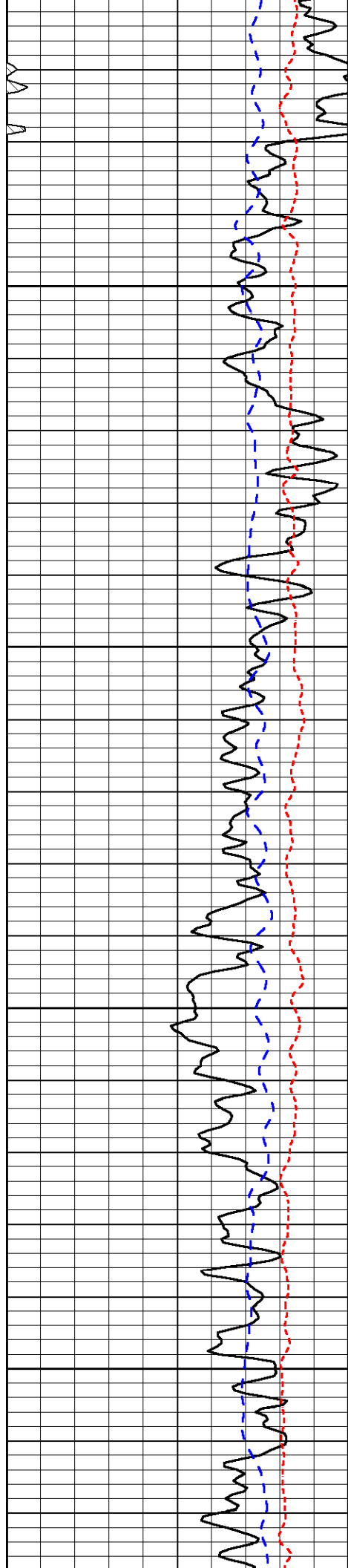
-85

-85

-67

-75

-76

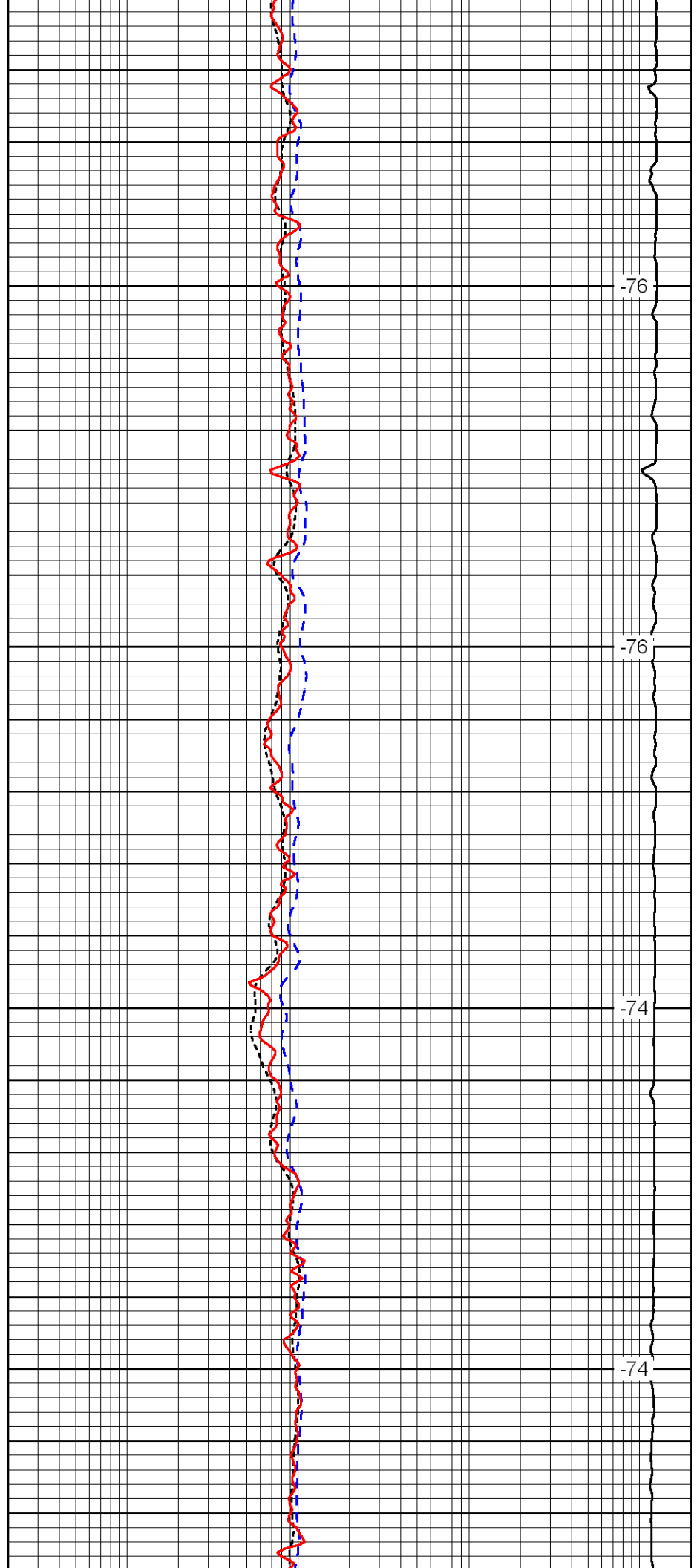


400

450

500

550

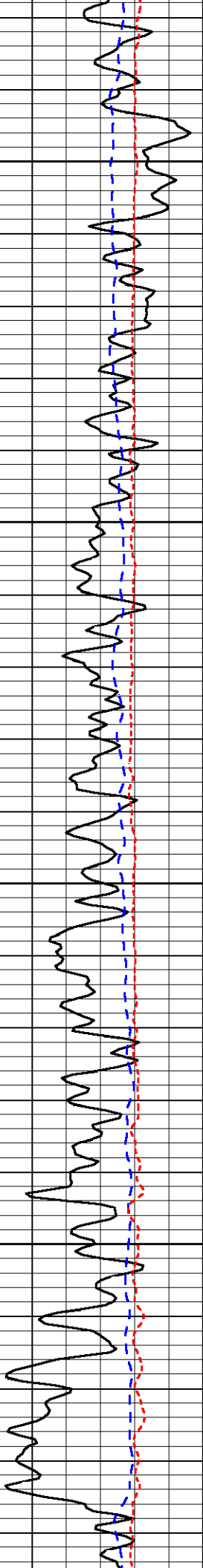


-76

-76

-74

-74



600

650

700

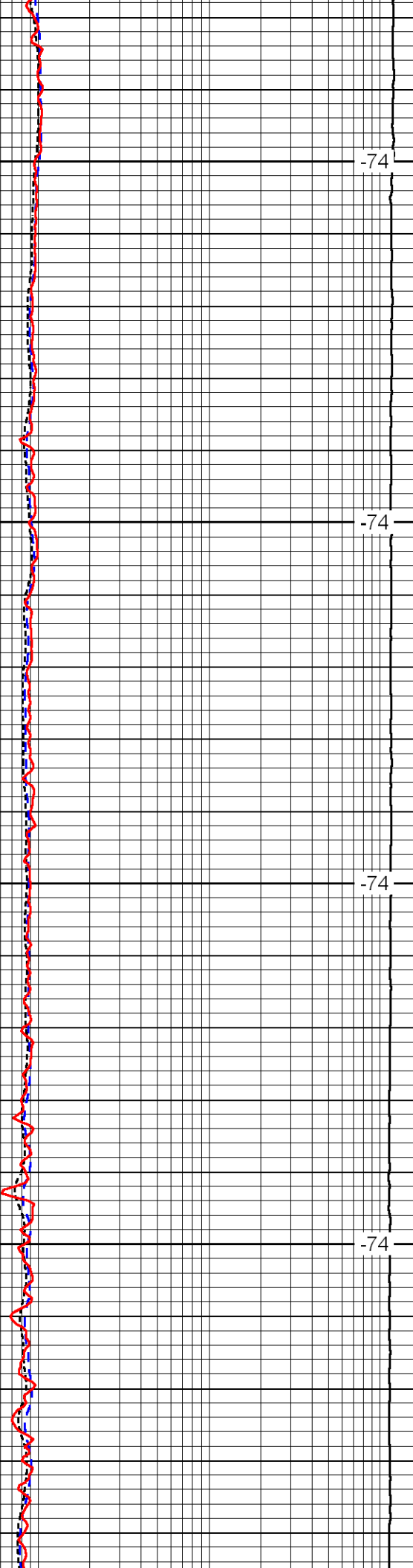
750

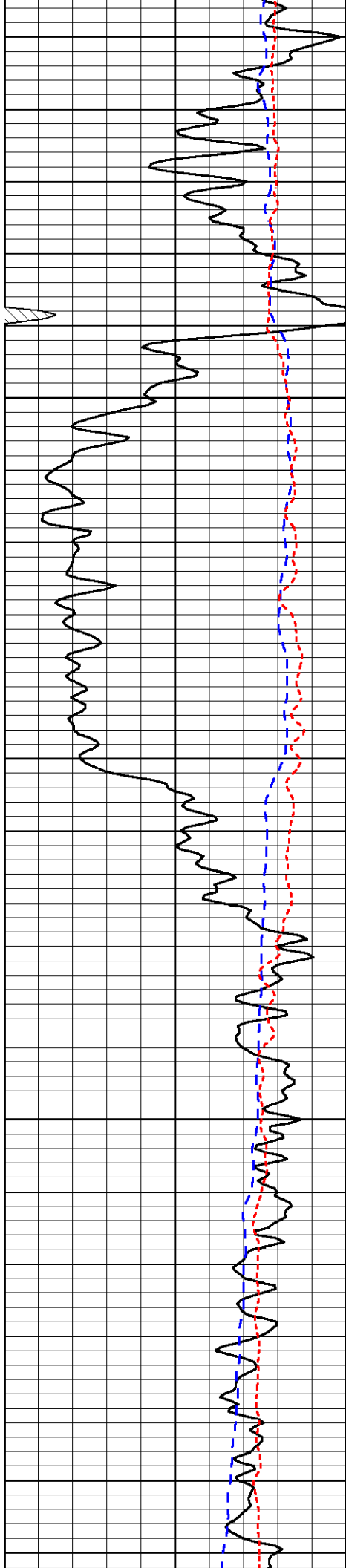
-74

-74

-74

-74





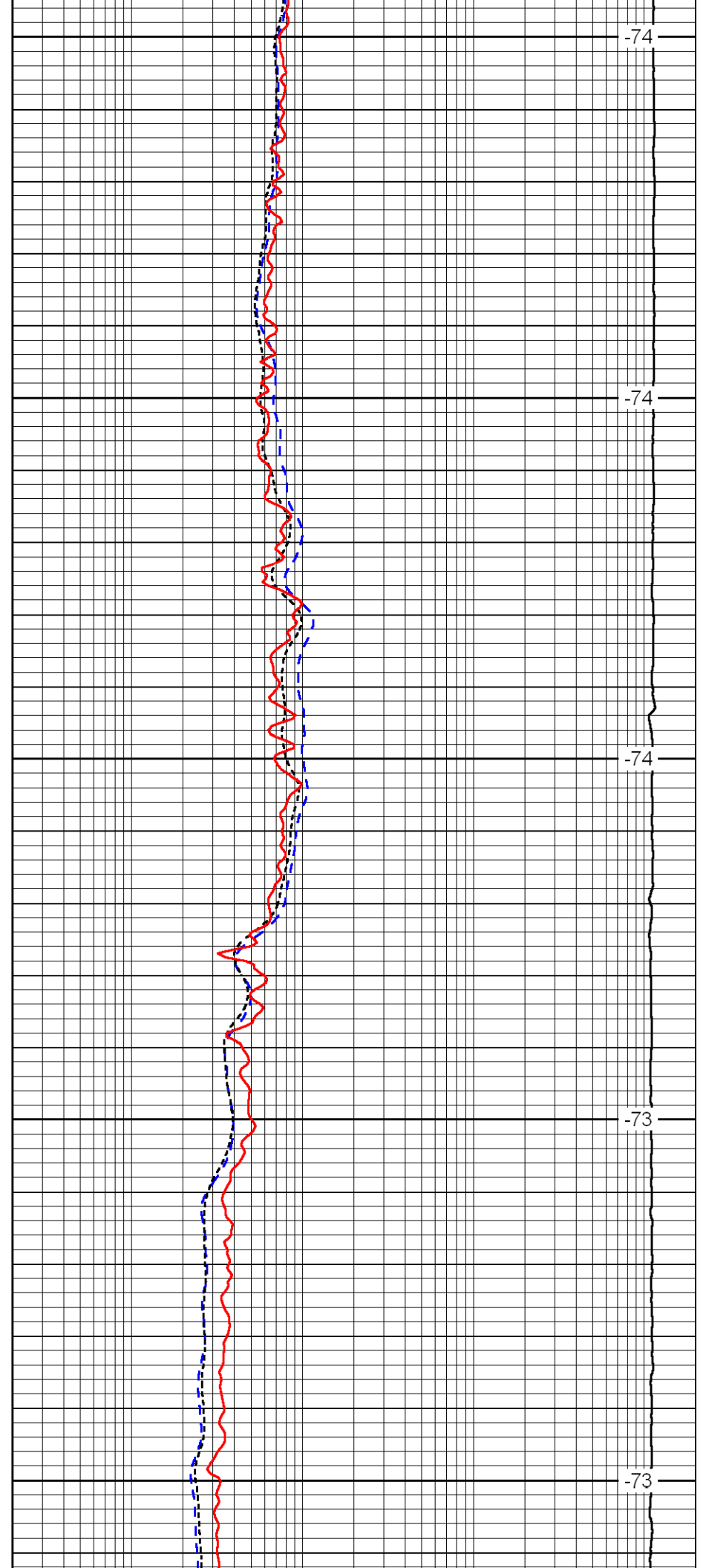
800

850

900

950

1000



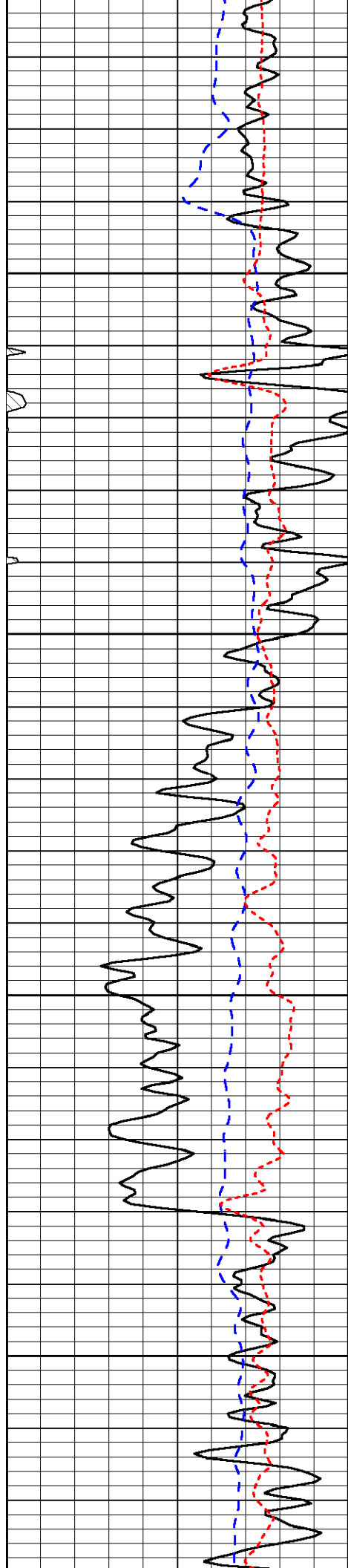
-74

-74

-74

-73

-73

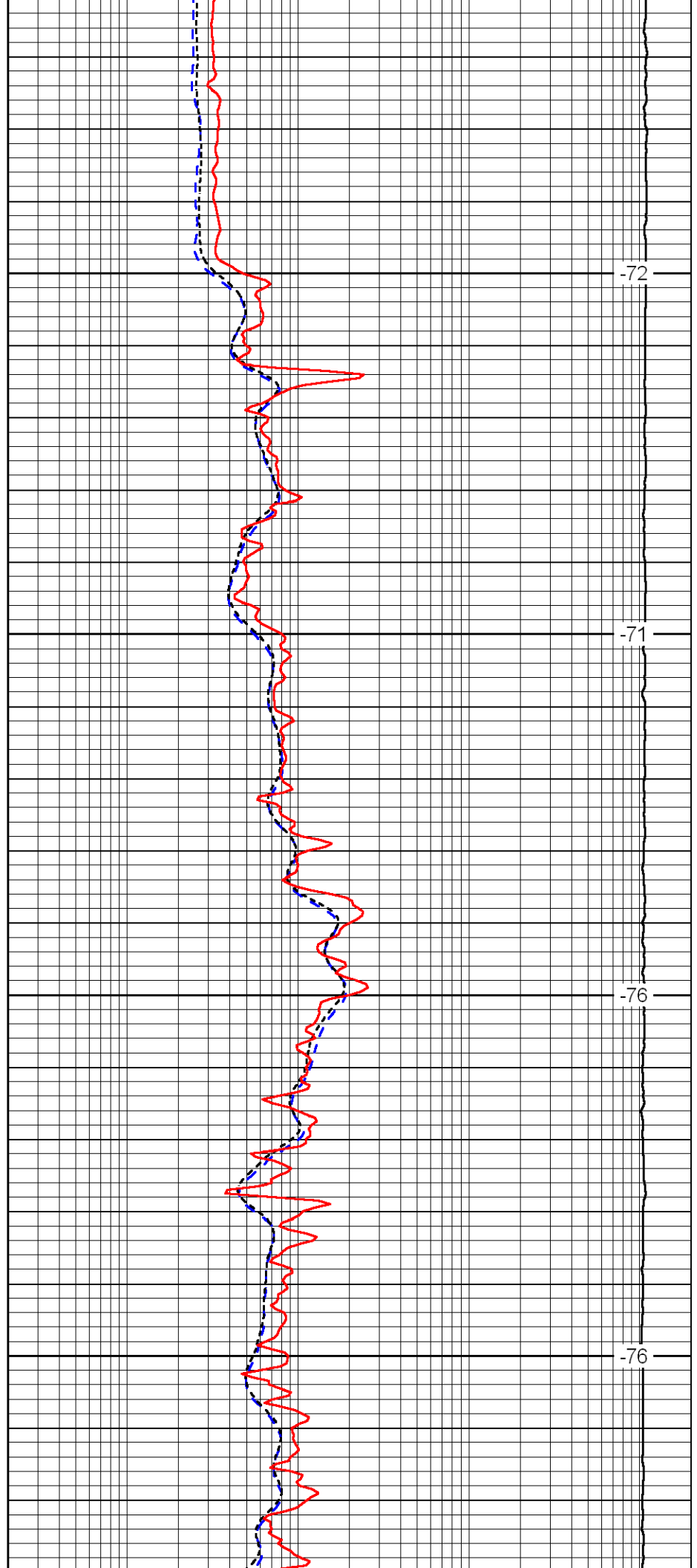


1050

1100

1150

1200

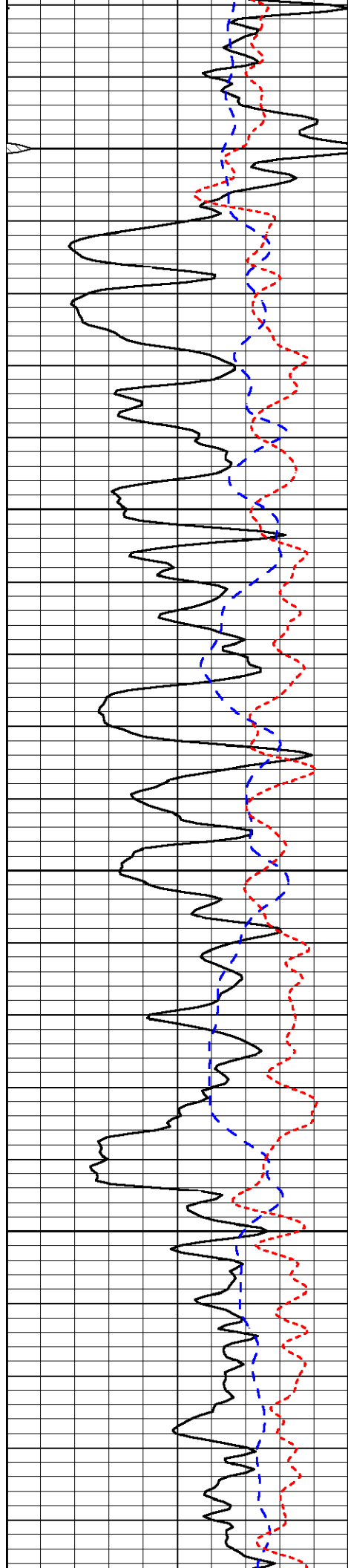


-72

-71

-76

-76

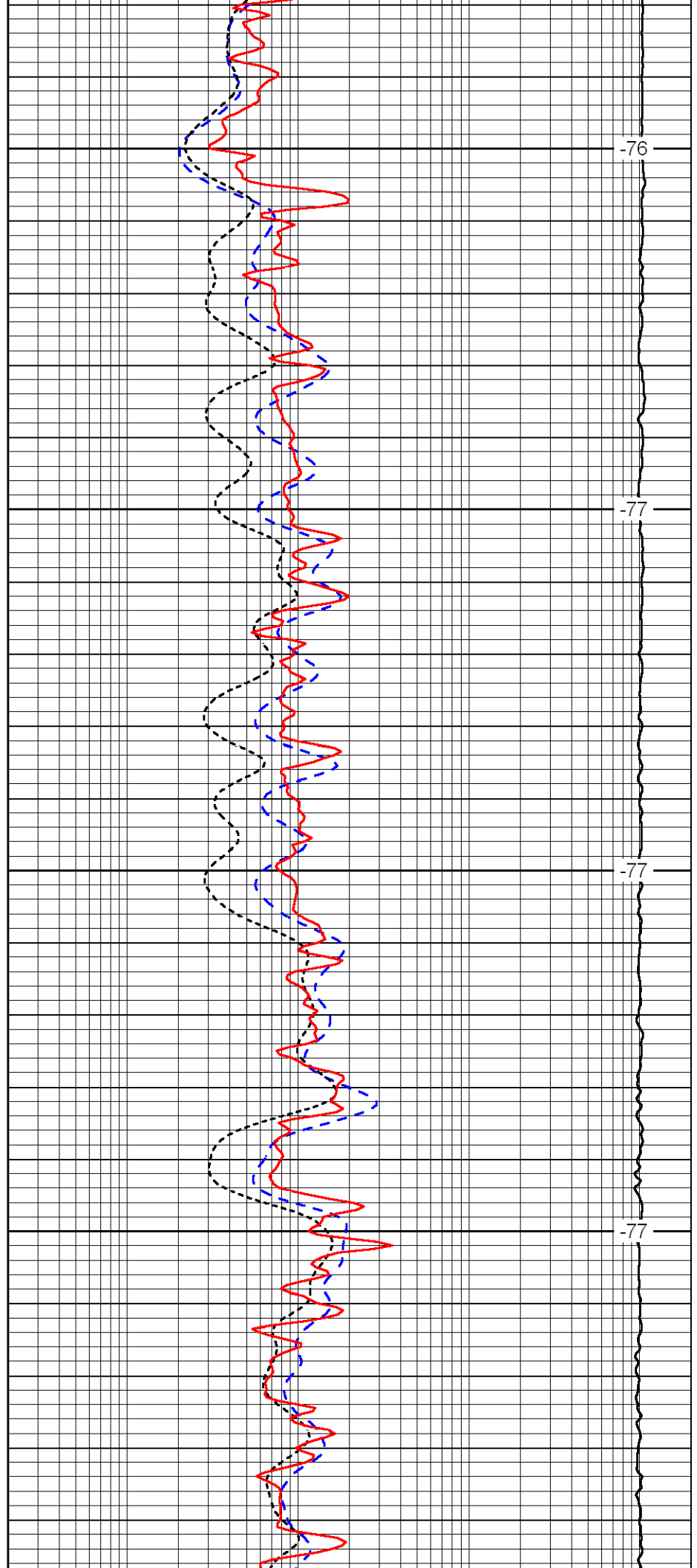


1250

1300

1350

1400

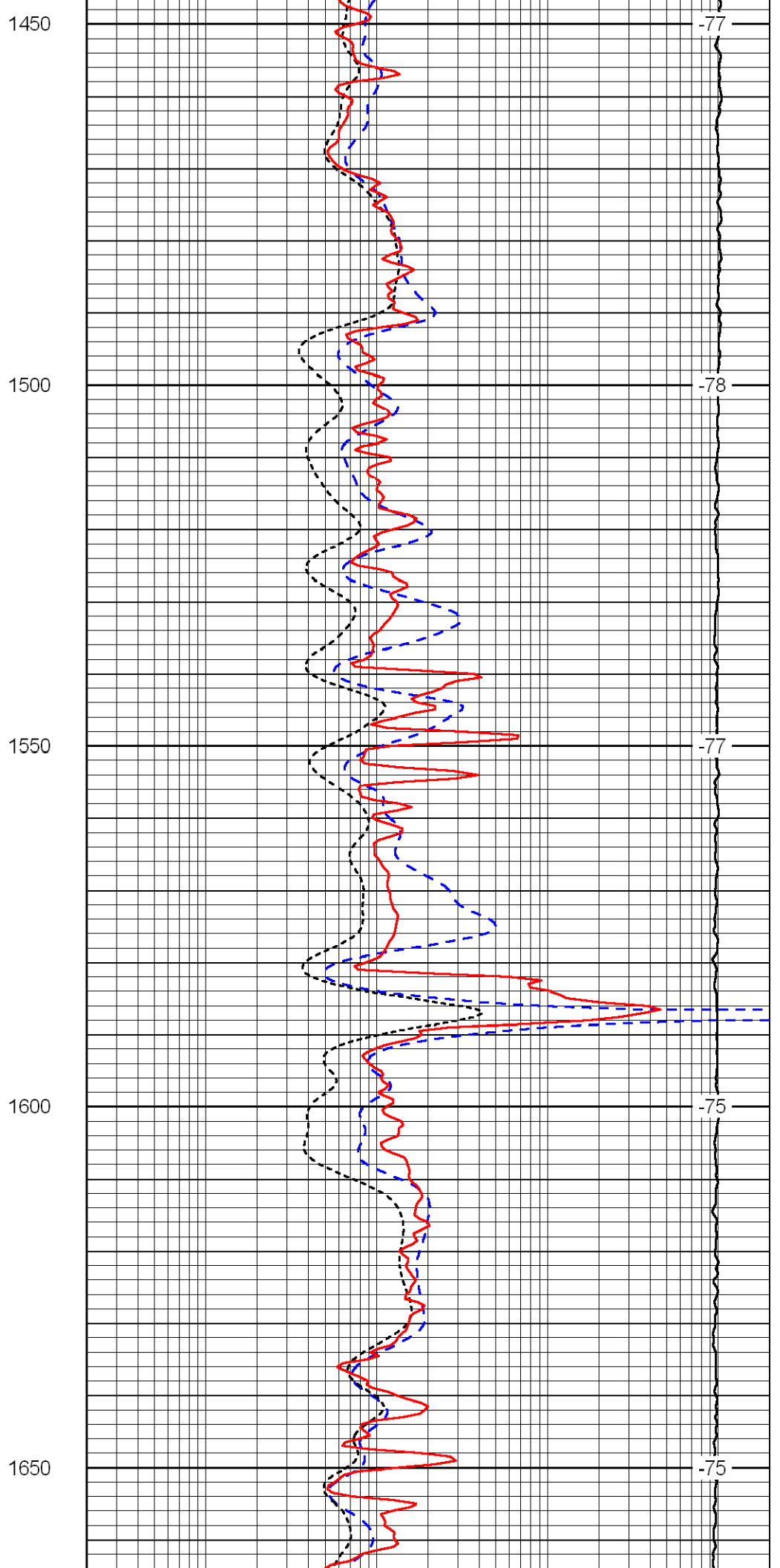
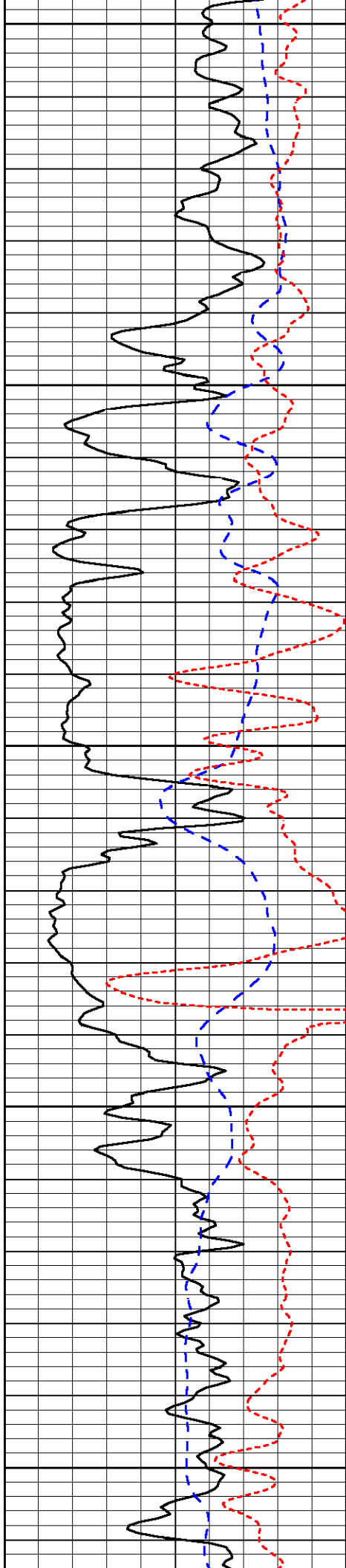


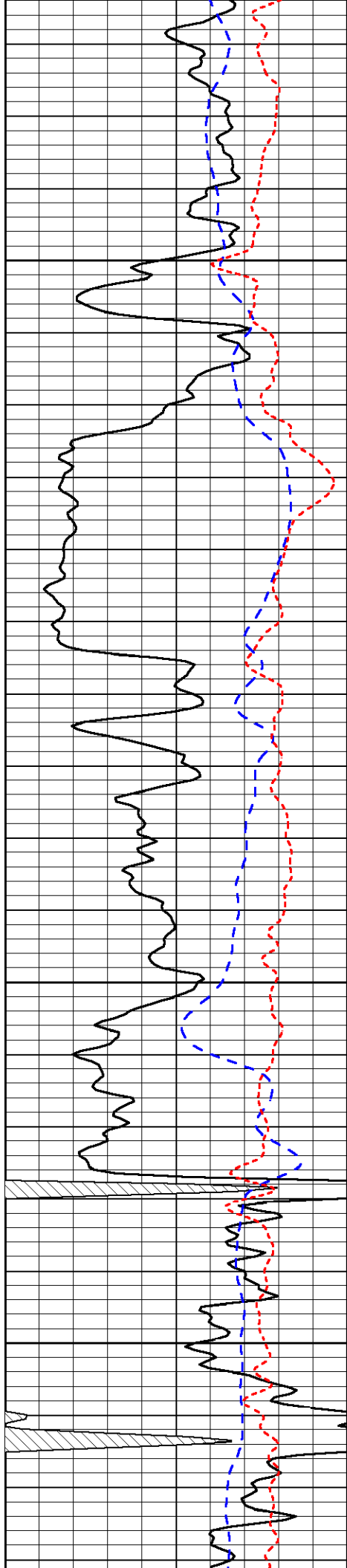
-76

-77

-77

-77



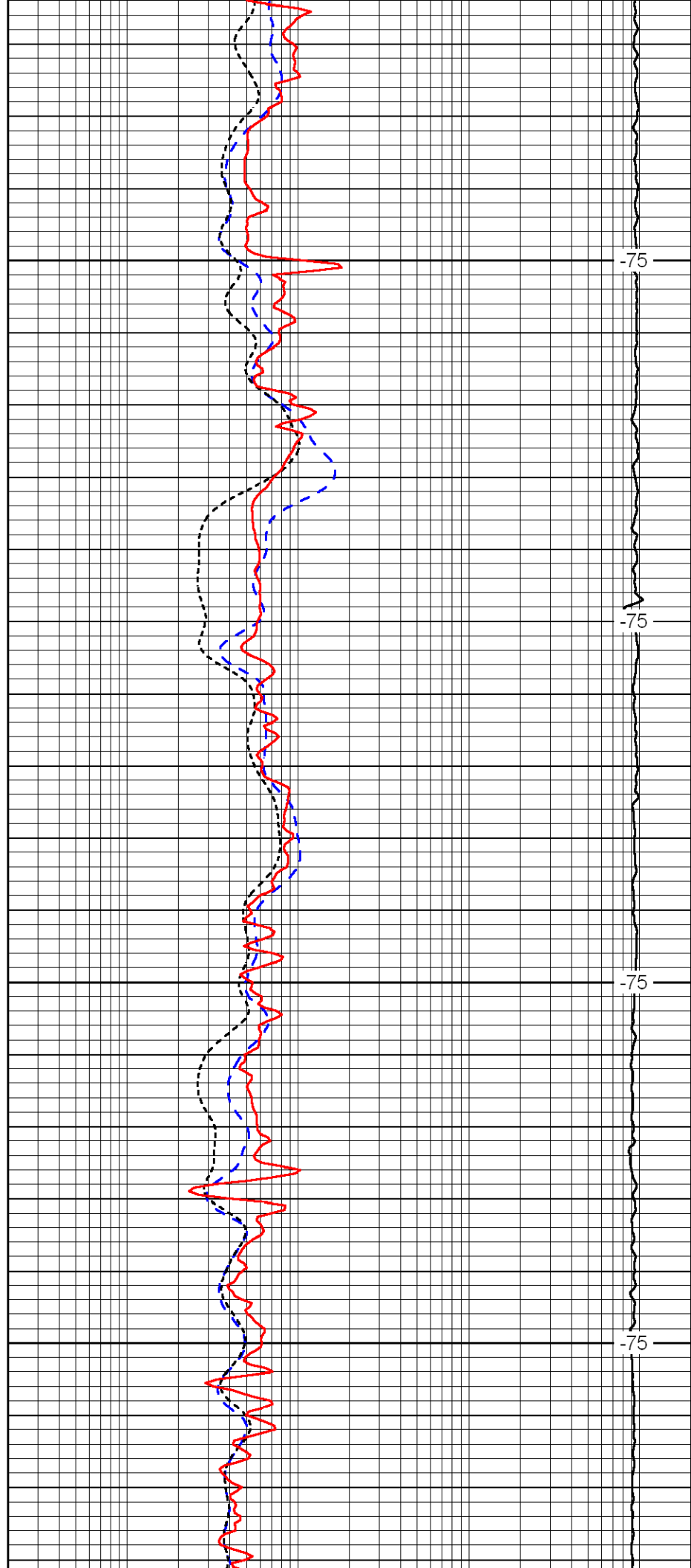


1700

1750

1800

1850

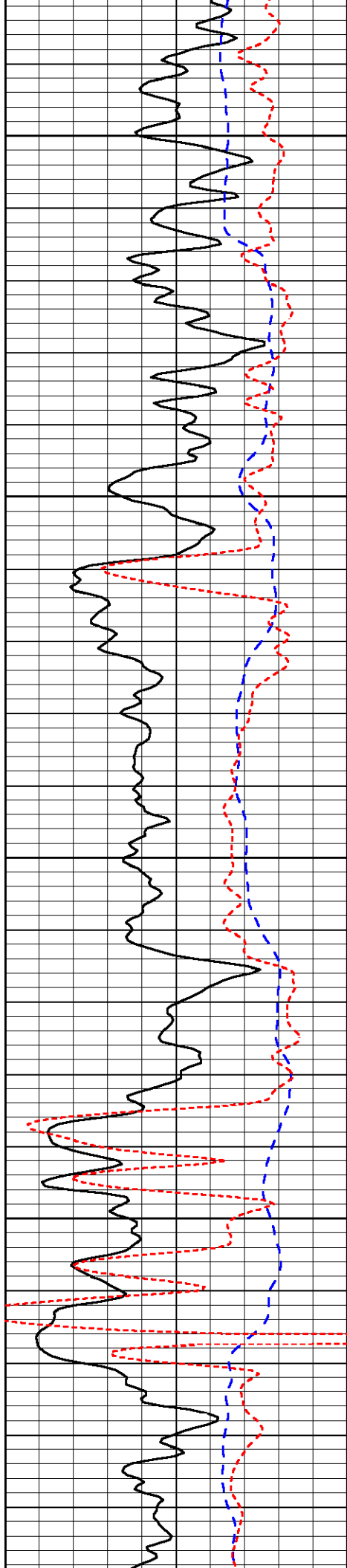


-75

-75

-75

-75

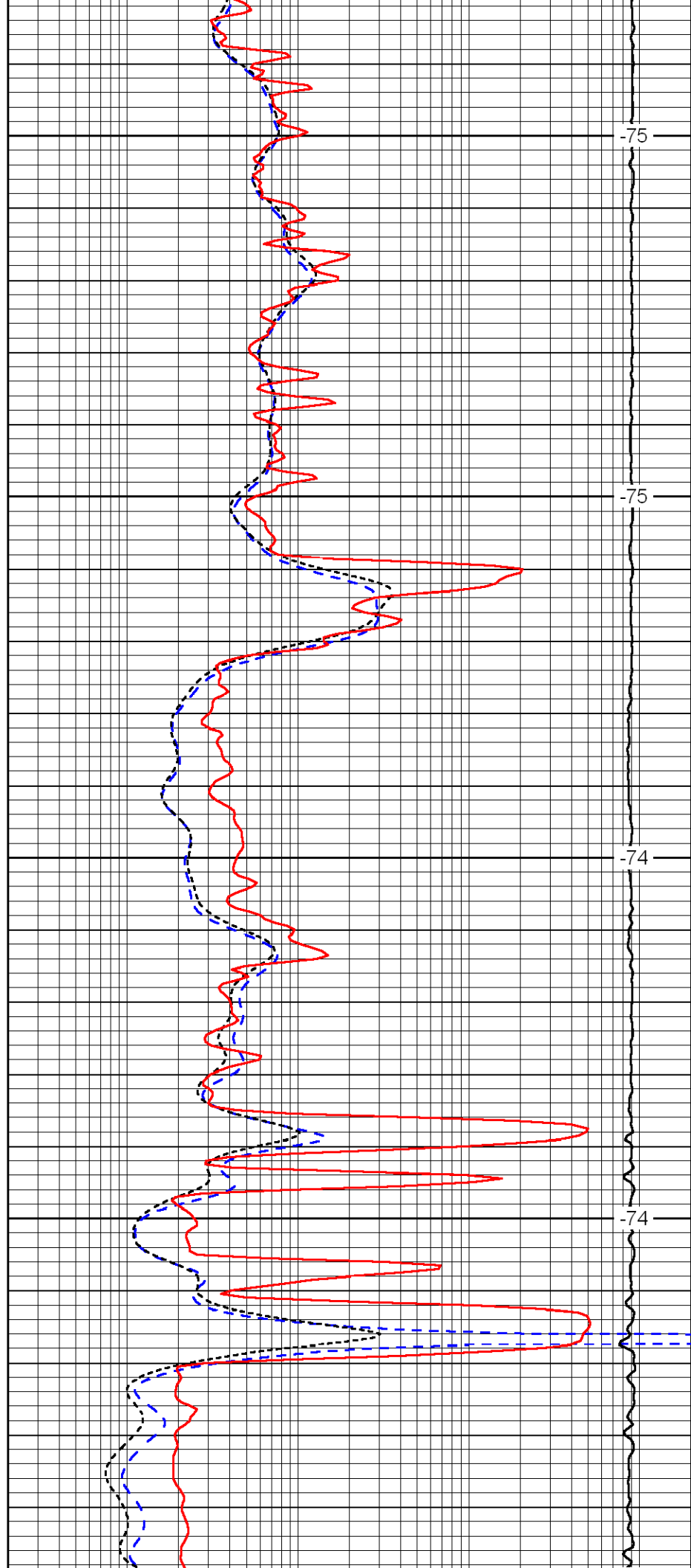


1900

1950

2000

2050

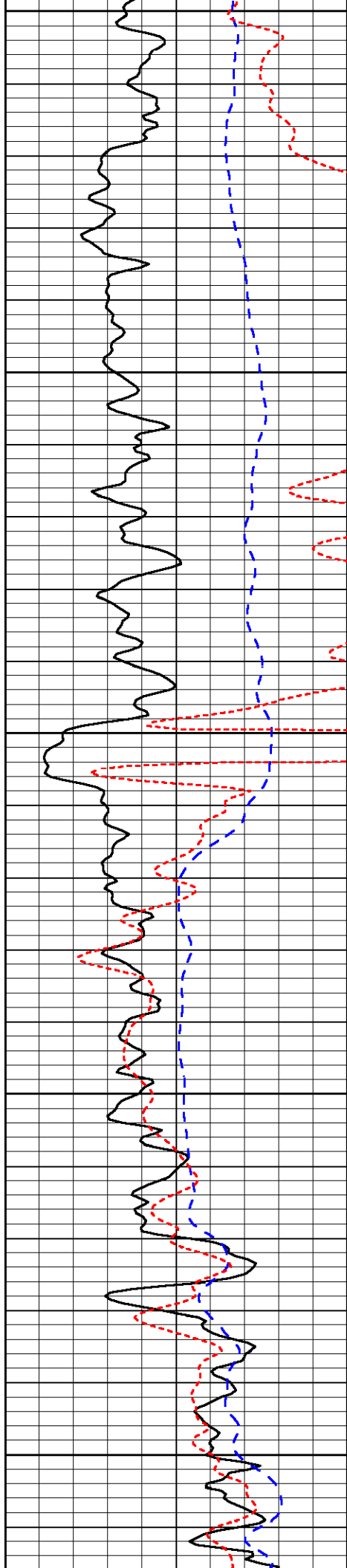


-75

-75

-74

-74



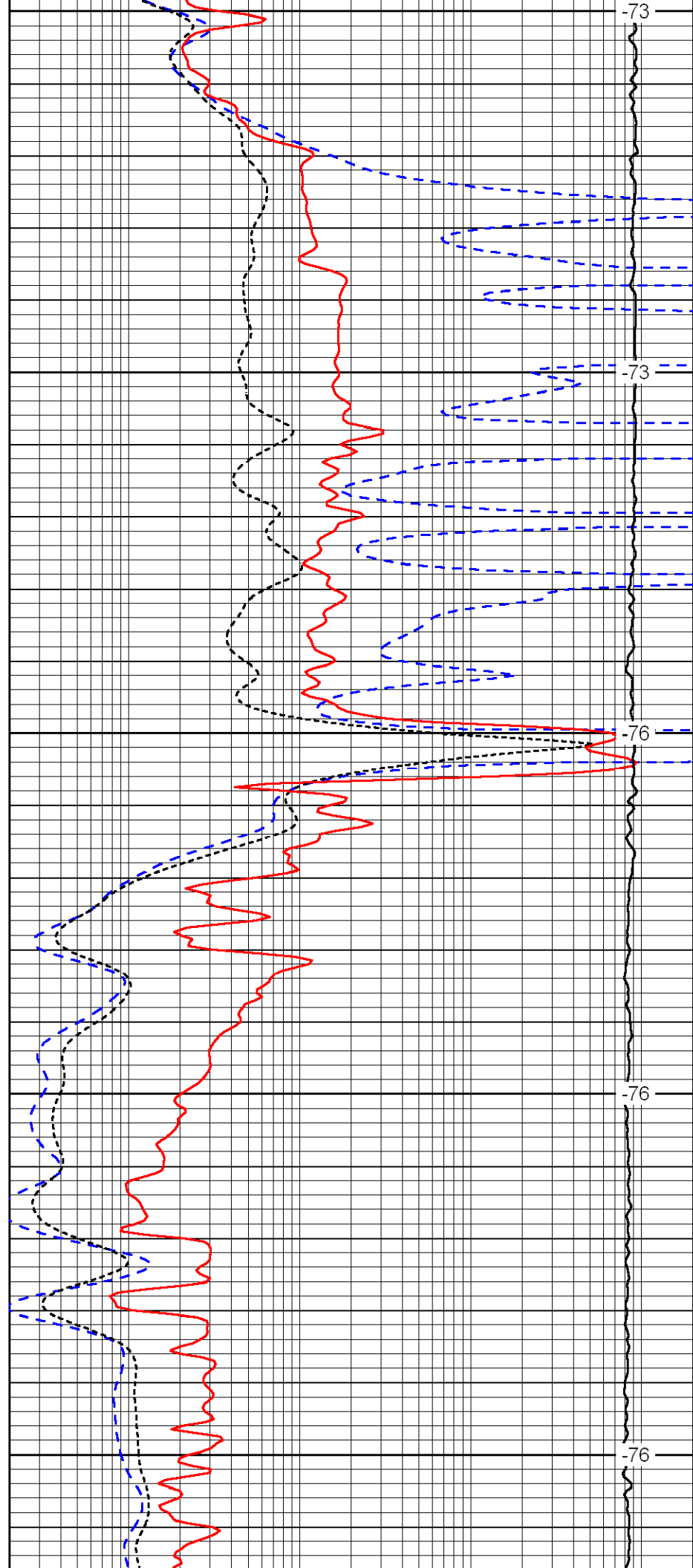
2100

2150

2200

2250

2300



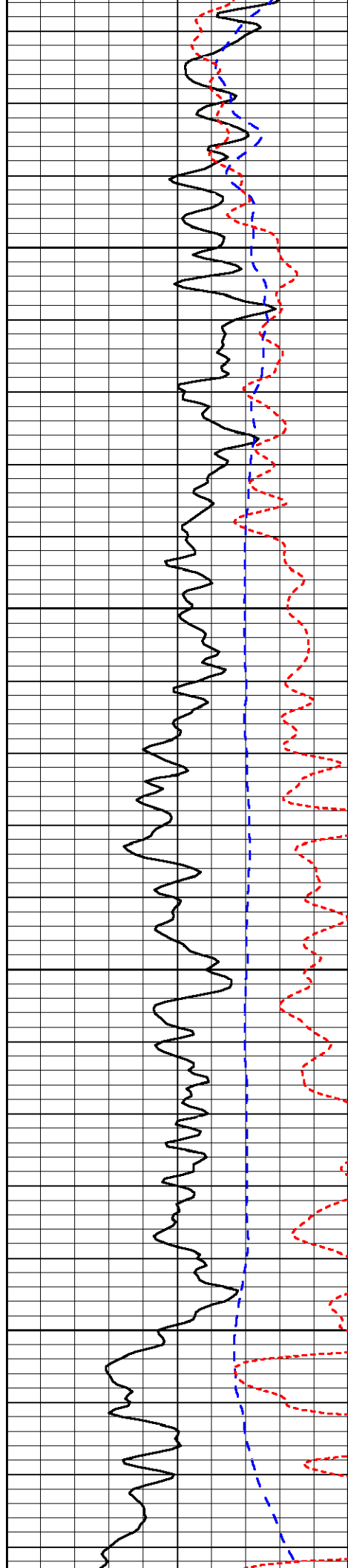
-73

-73

-76

-76

-76

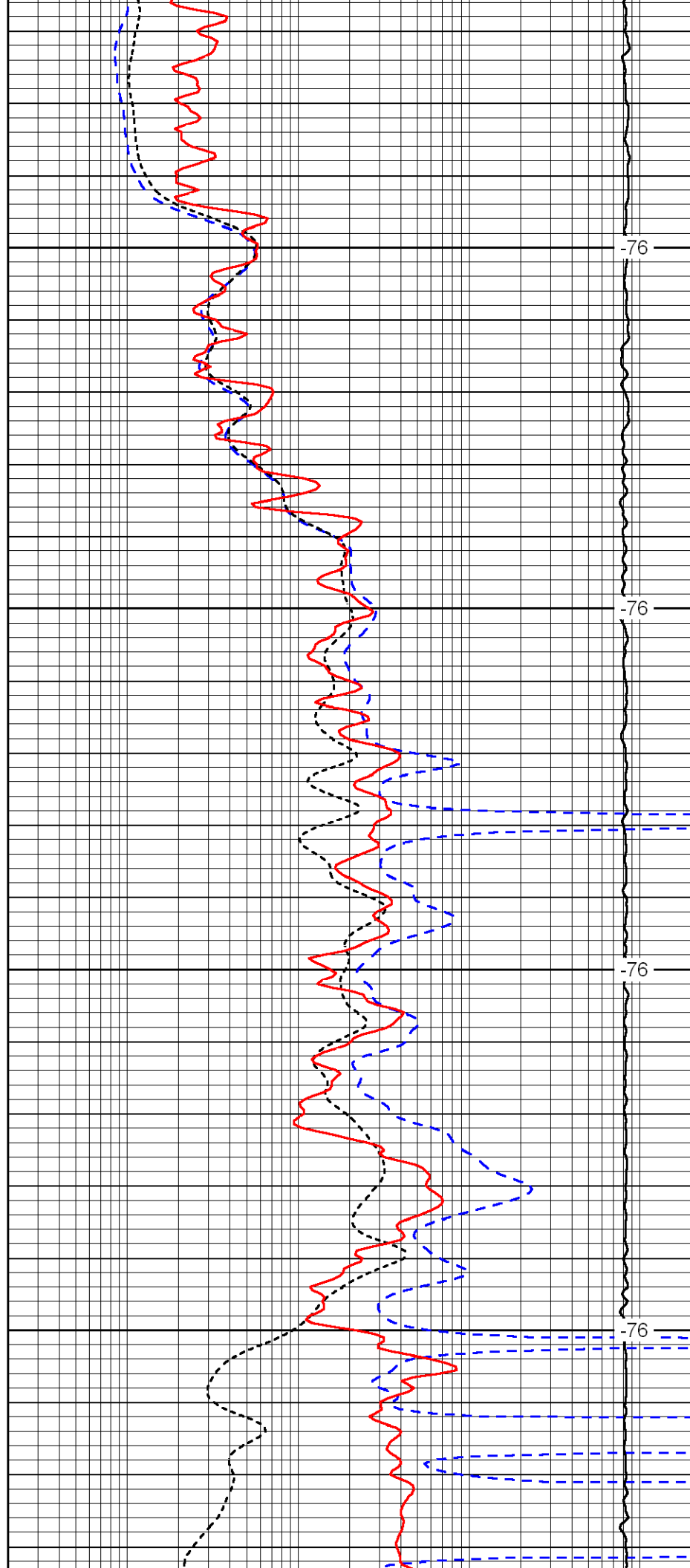


2350

2400

2450

2500

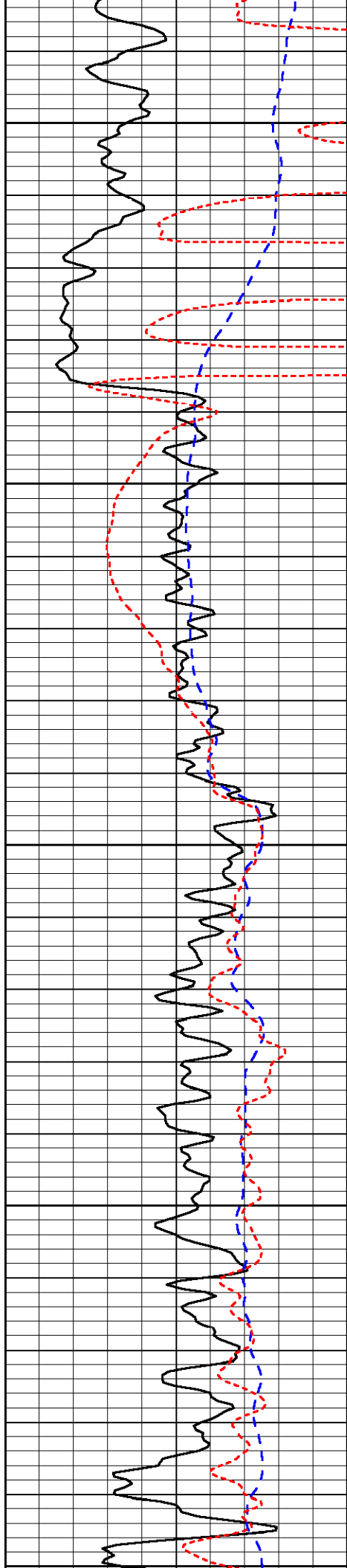


-76

-76

-76

-76



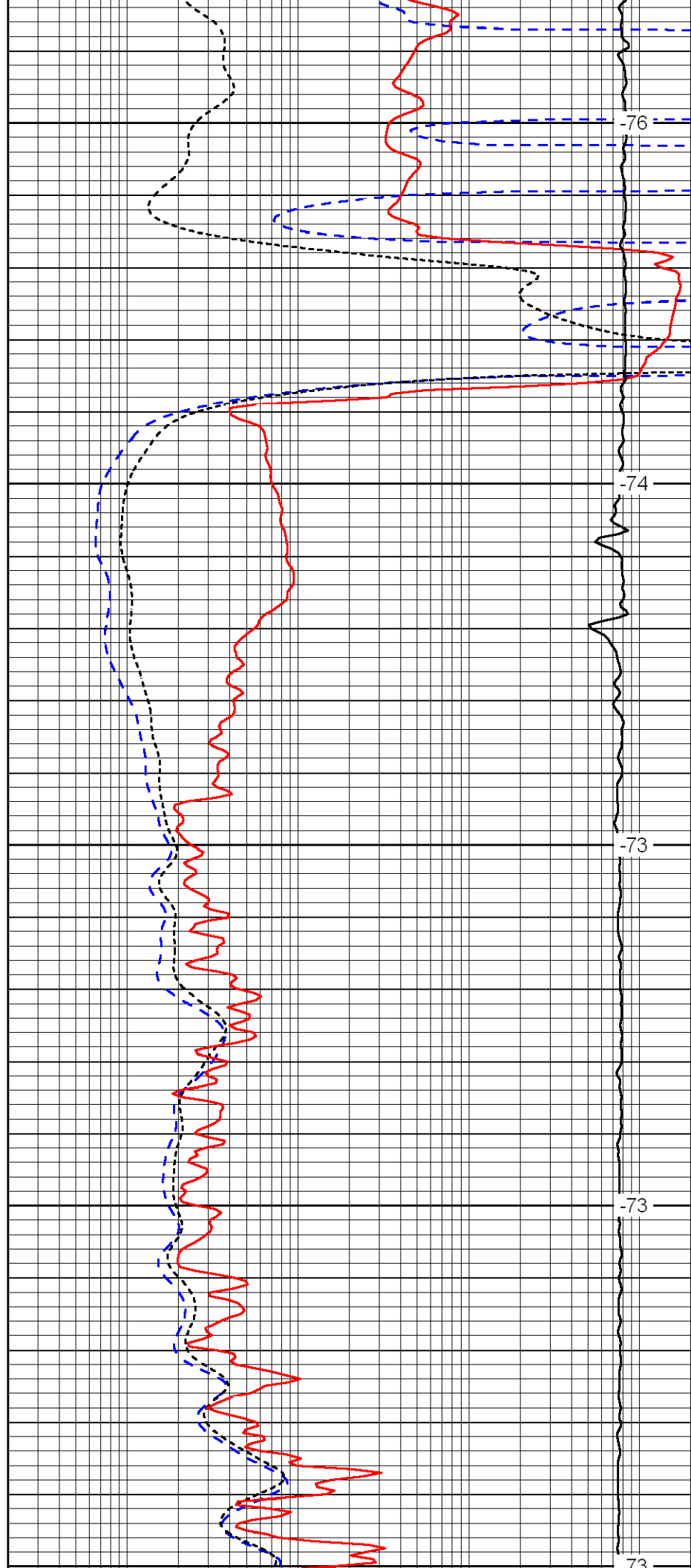
2550

2600

2650

2700

2750



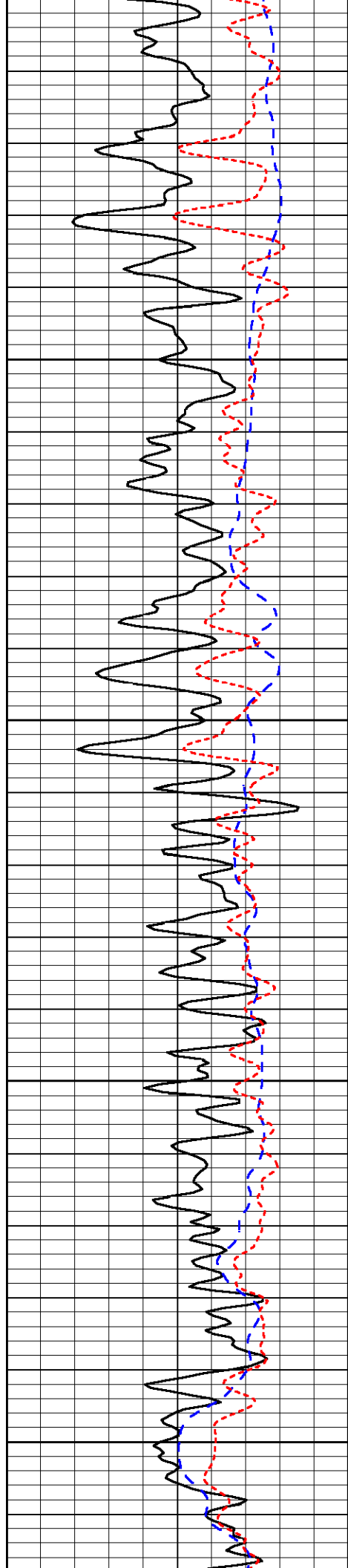
-76

-74

-73

-73

-73



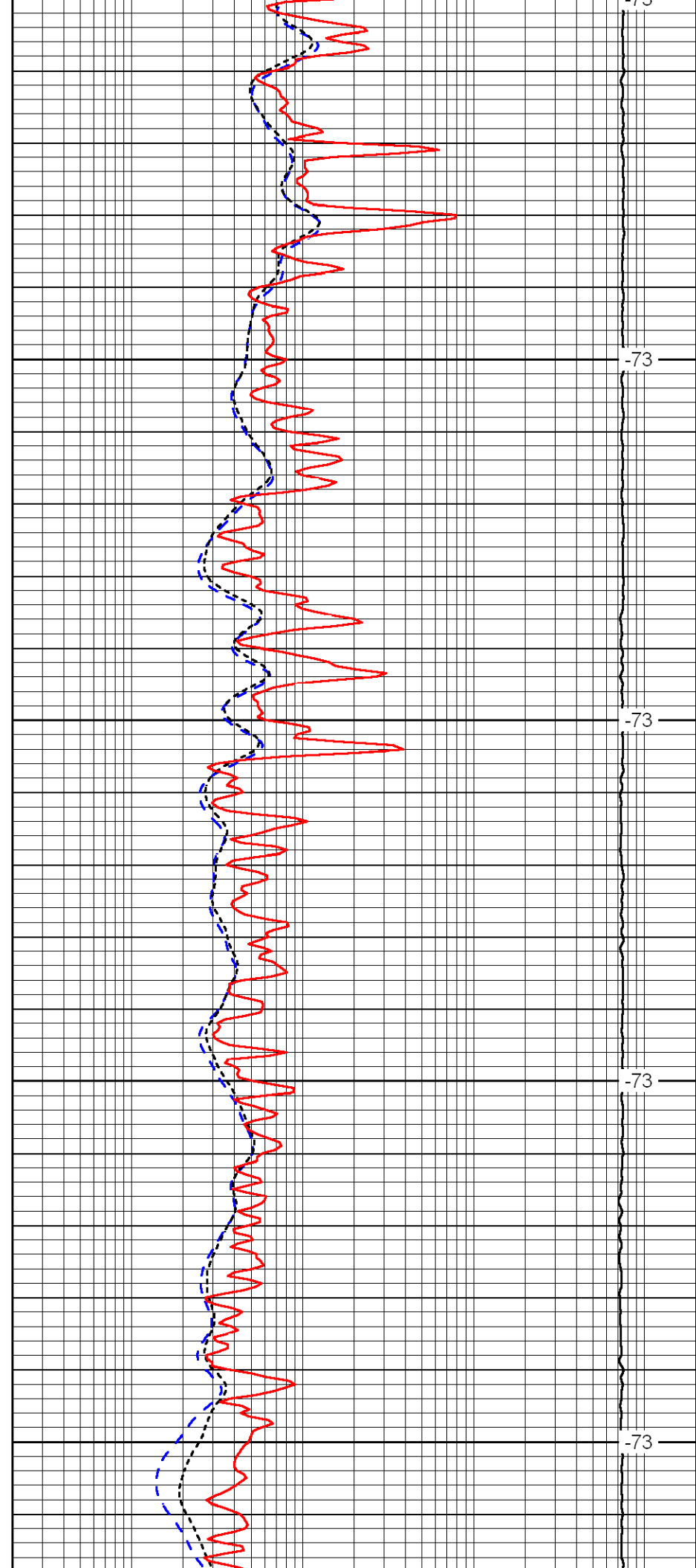
2750

2800

2850

2900

2950



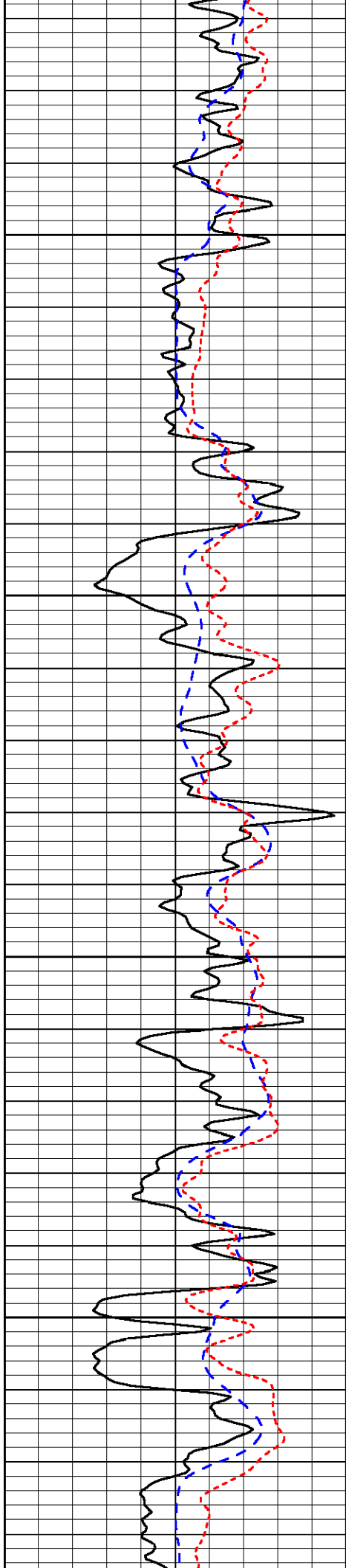
2750

2800

2850

2900

2950

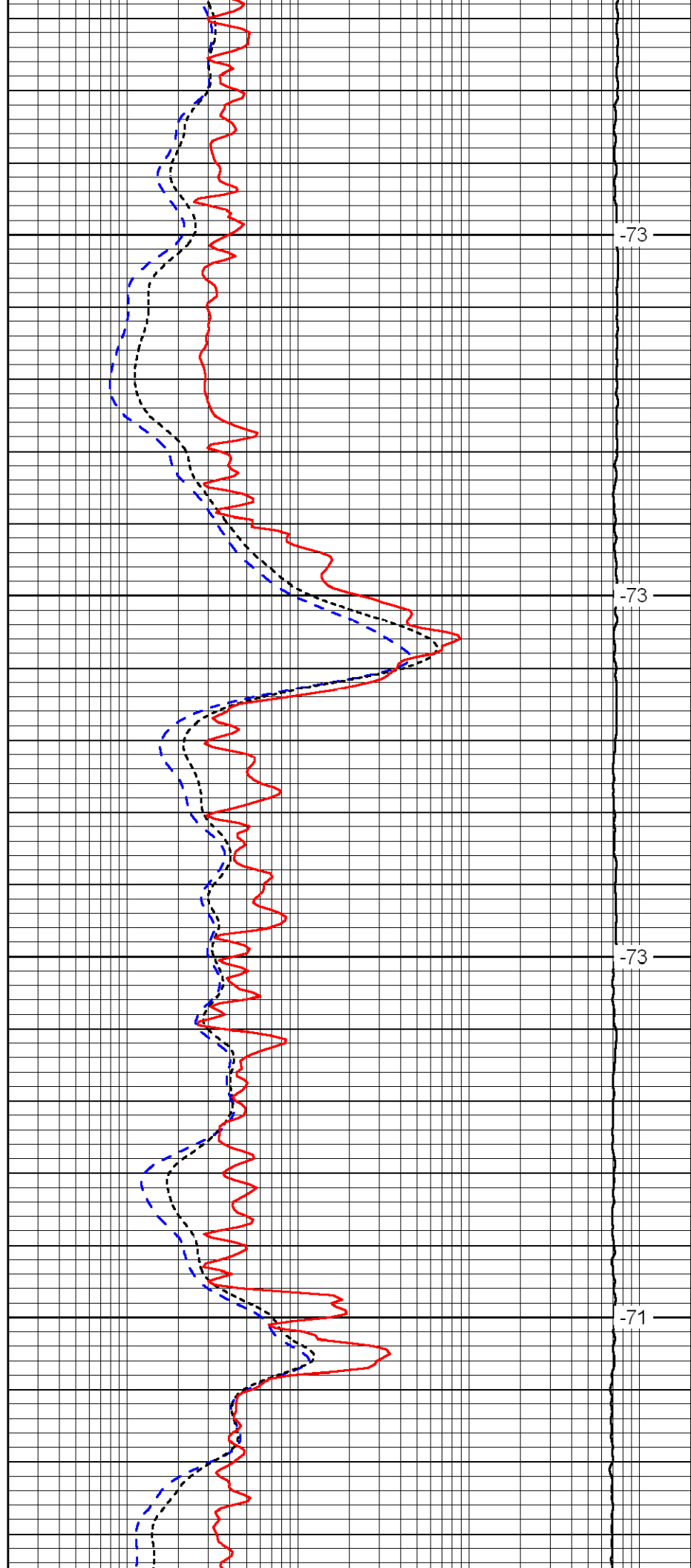


3000

3050

3100

3150

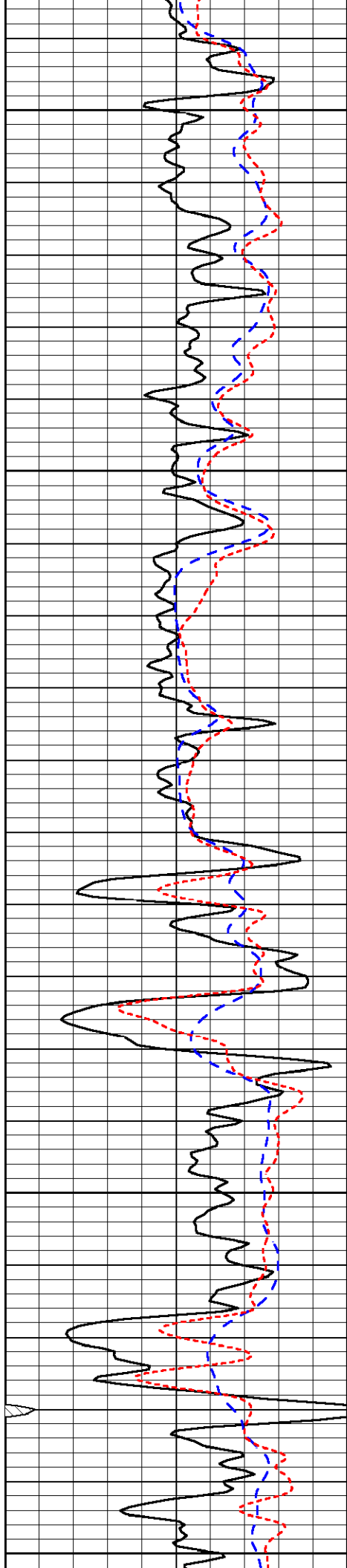


-73

-73

-73

-71



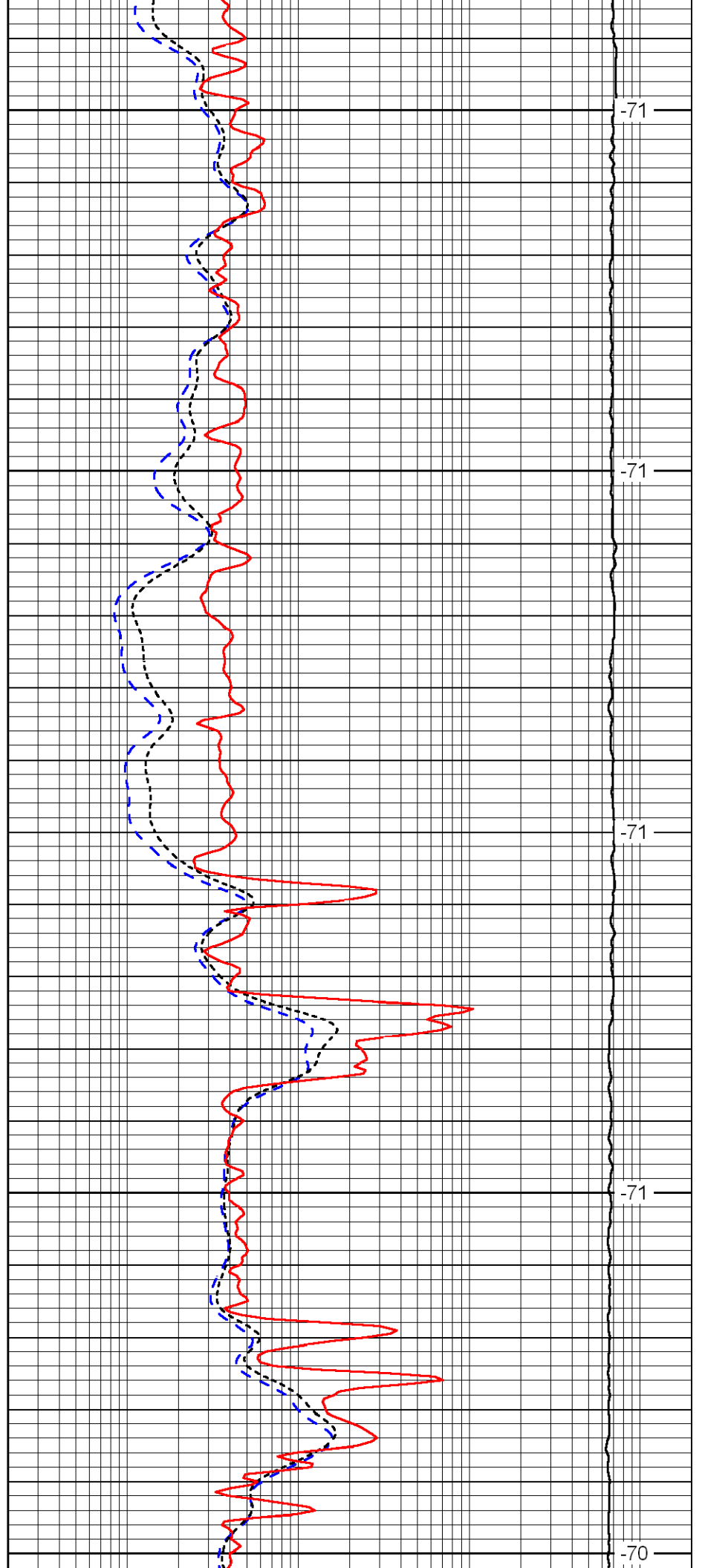
3200

3250

3300

3350

3400



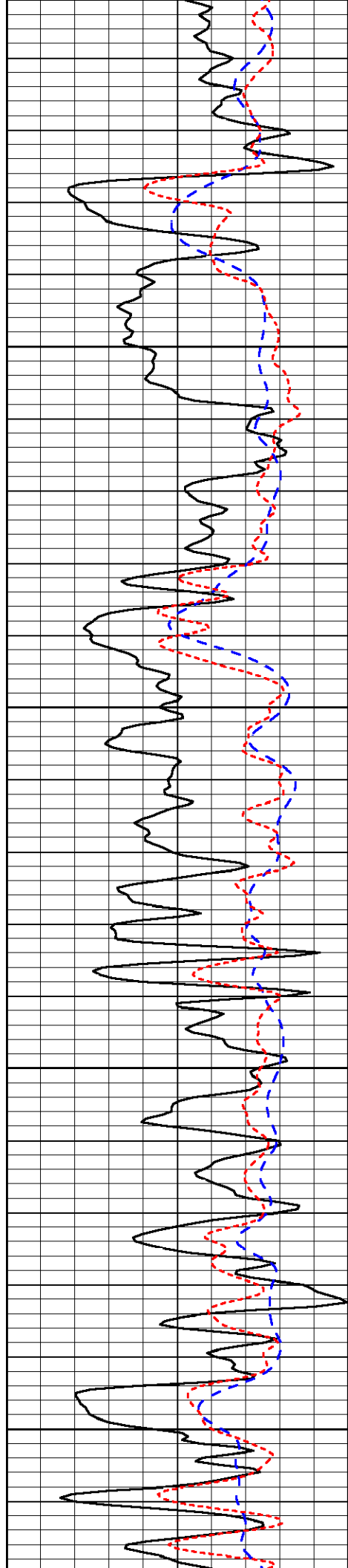
-71

-71

-71

-71

-70

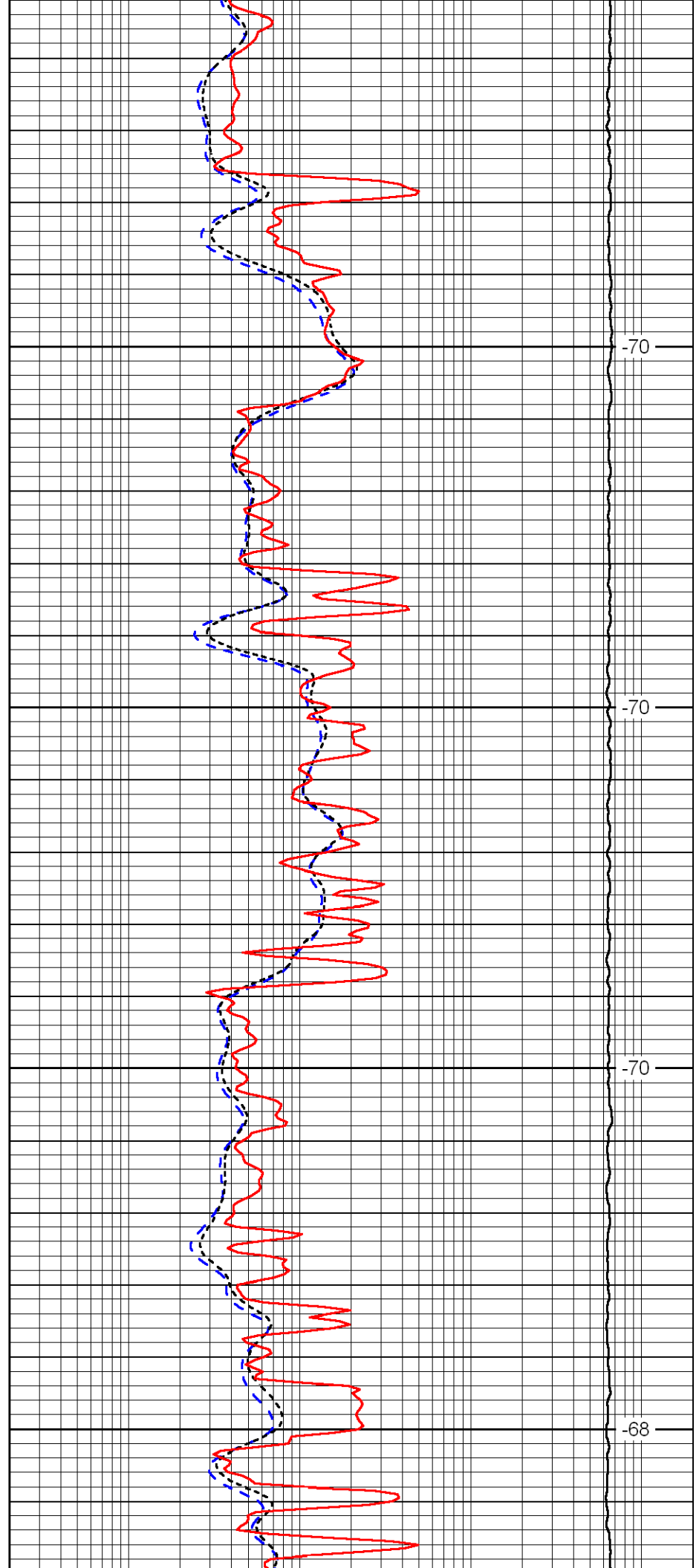


3450

3500

3550

3600

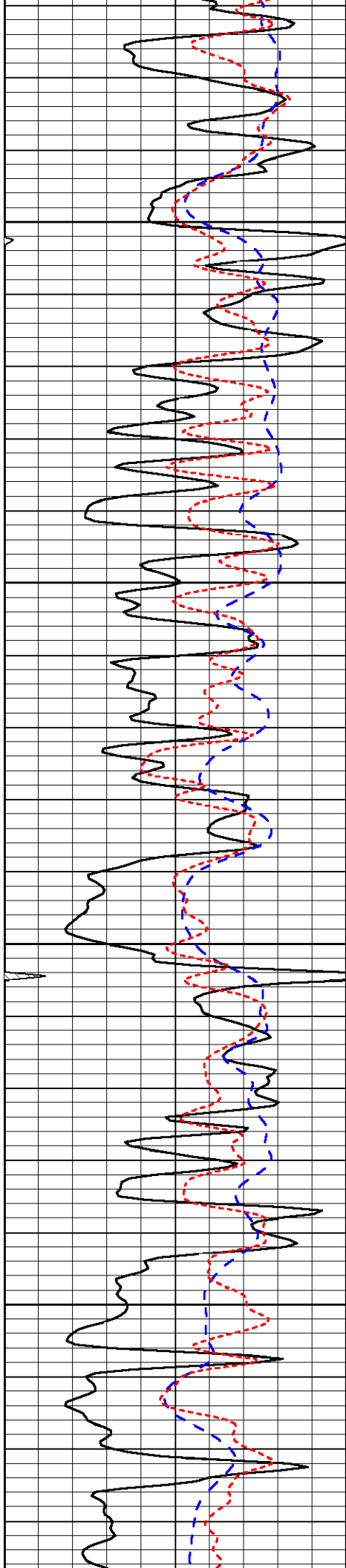


-70

-70

-70

-68

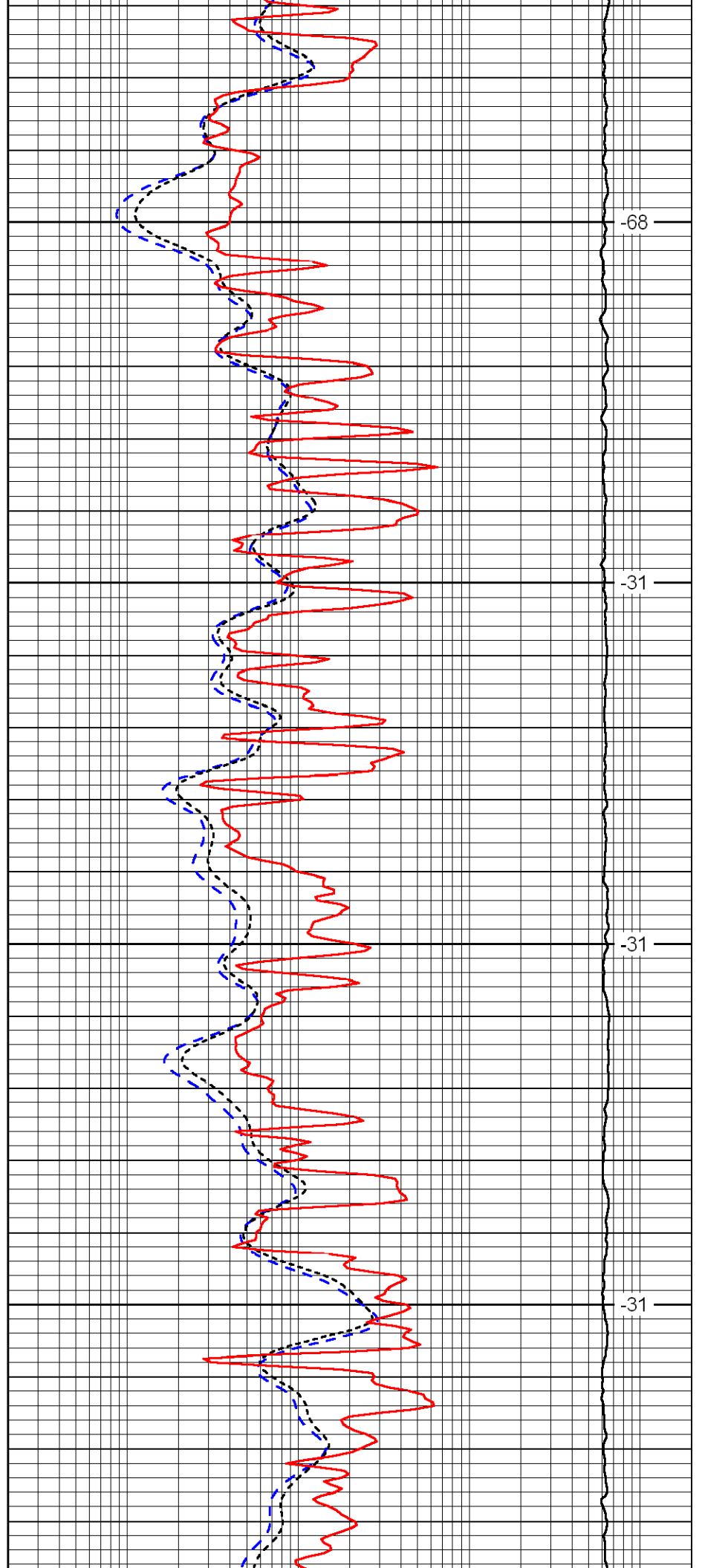


3650

3700

3750

3800

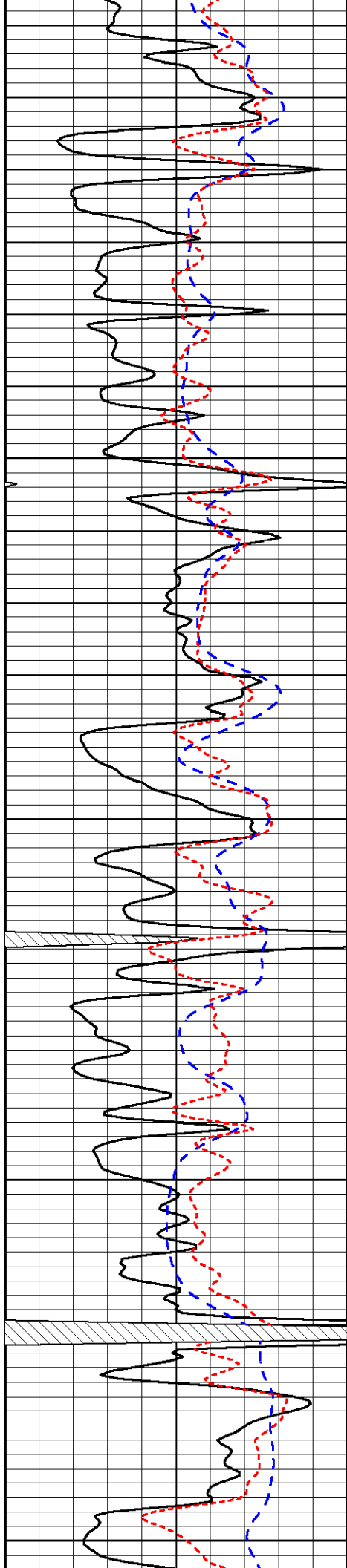


-68

-31

-31

-31



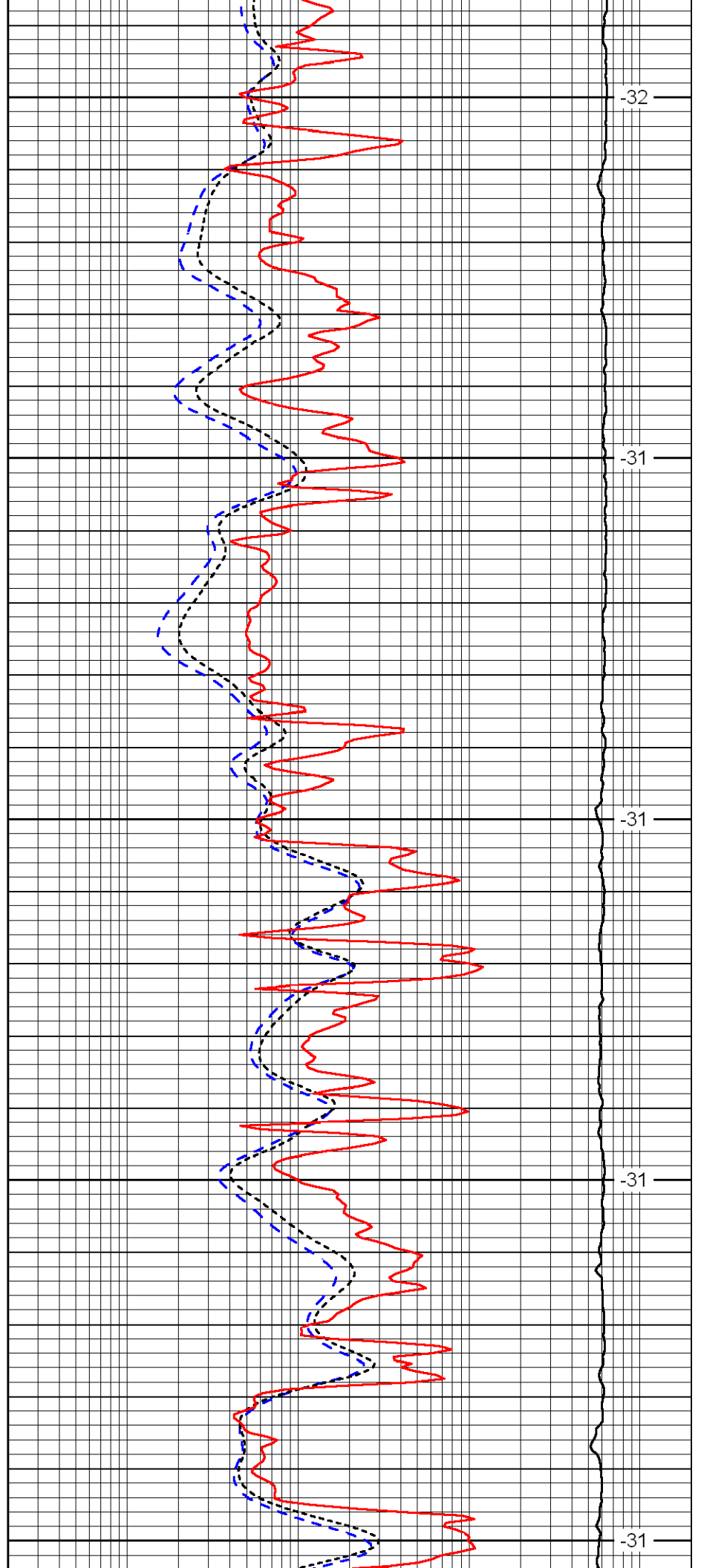
3850

3900

3950

4000

4050



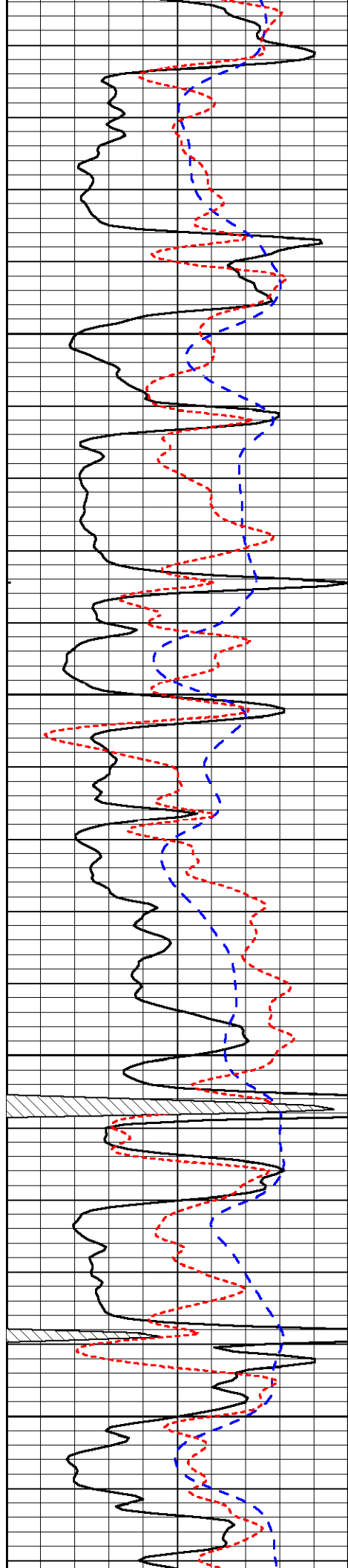
-32

-31

-31

-31

-31

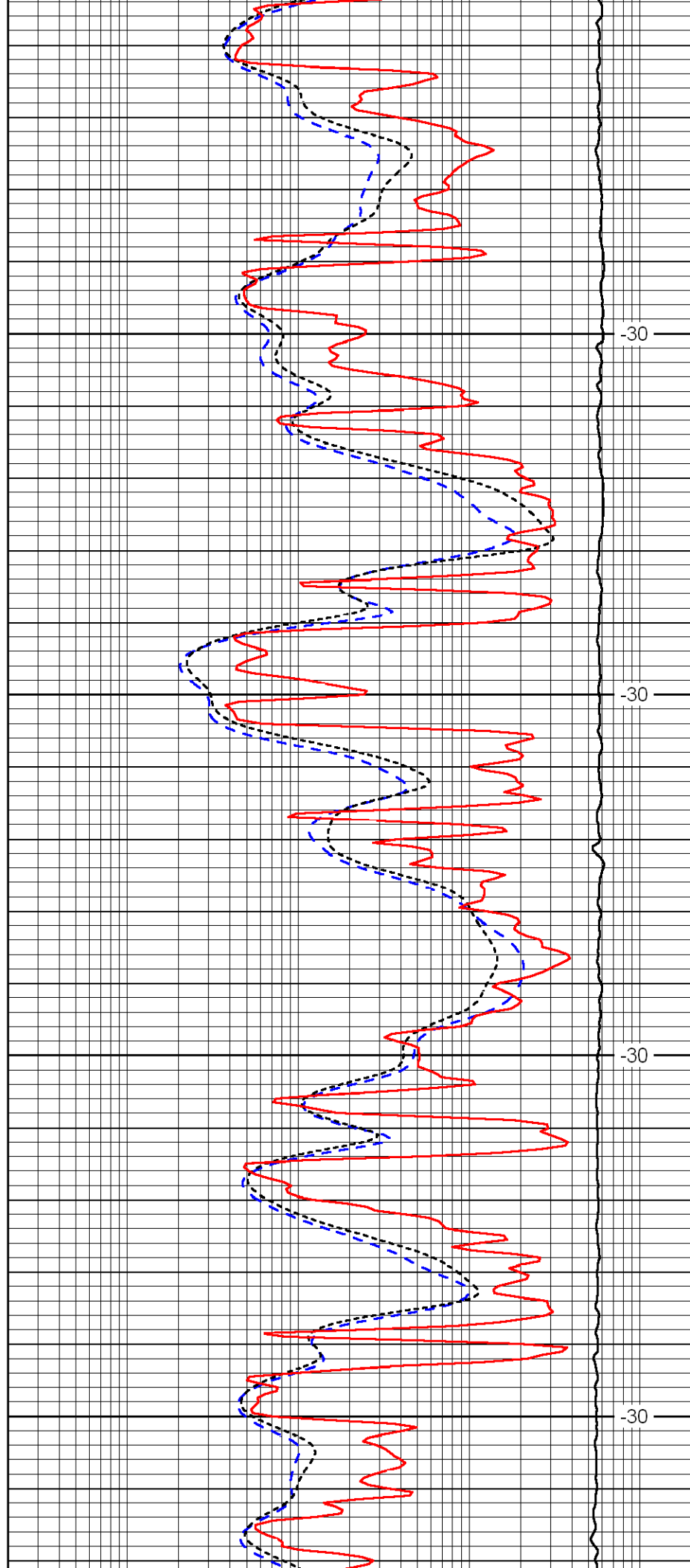


4100

4150

4200

4250

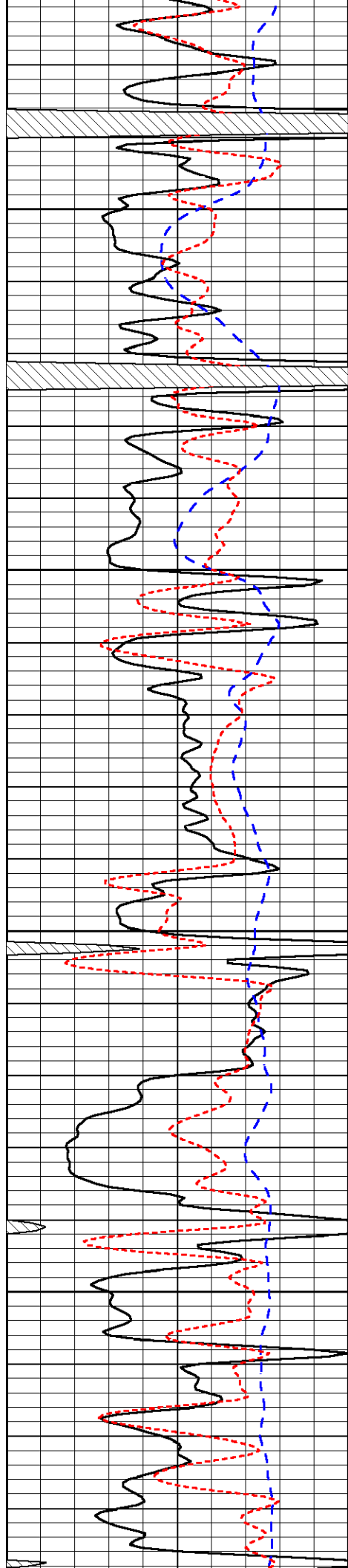


-30

-30

-30

-30

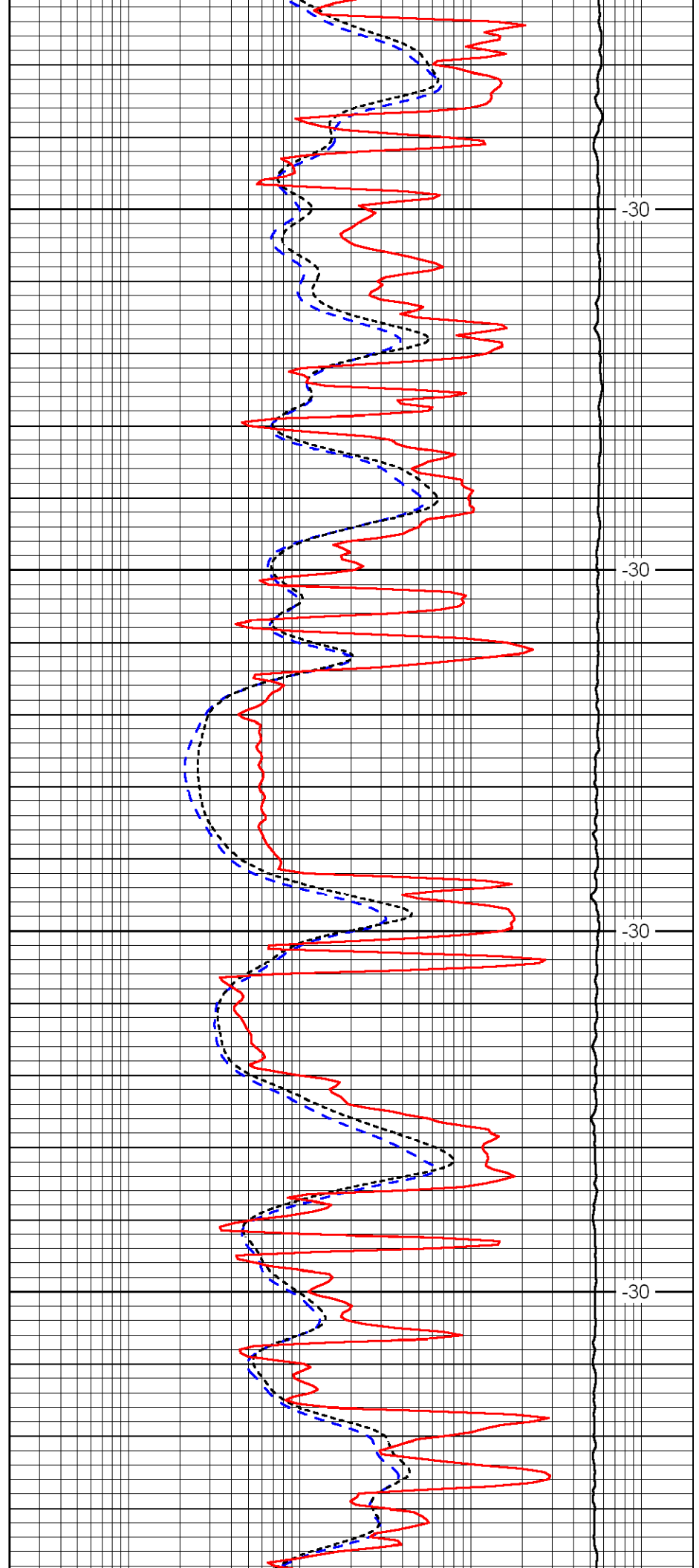


4300

4350

4400

4450

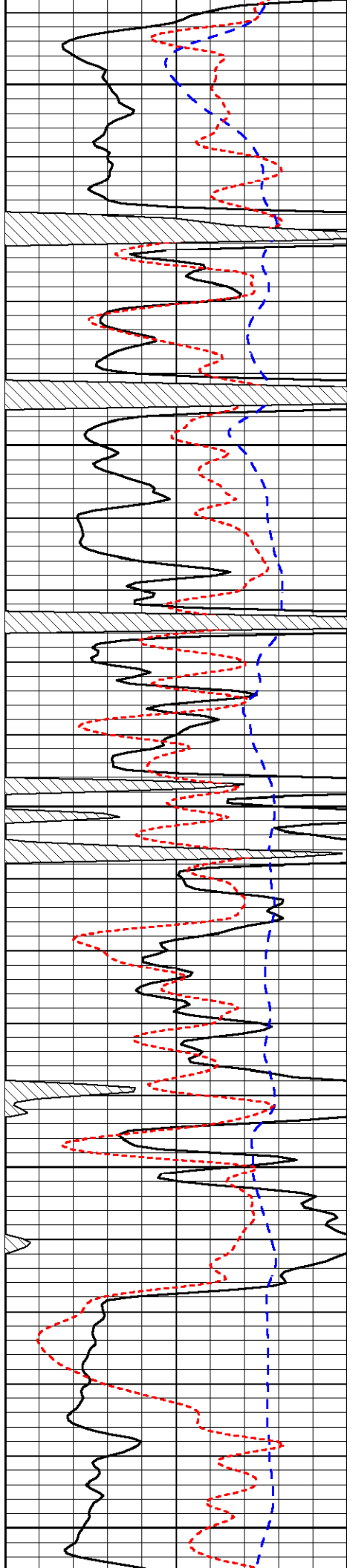


-30

-30

-30

-30



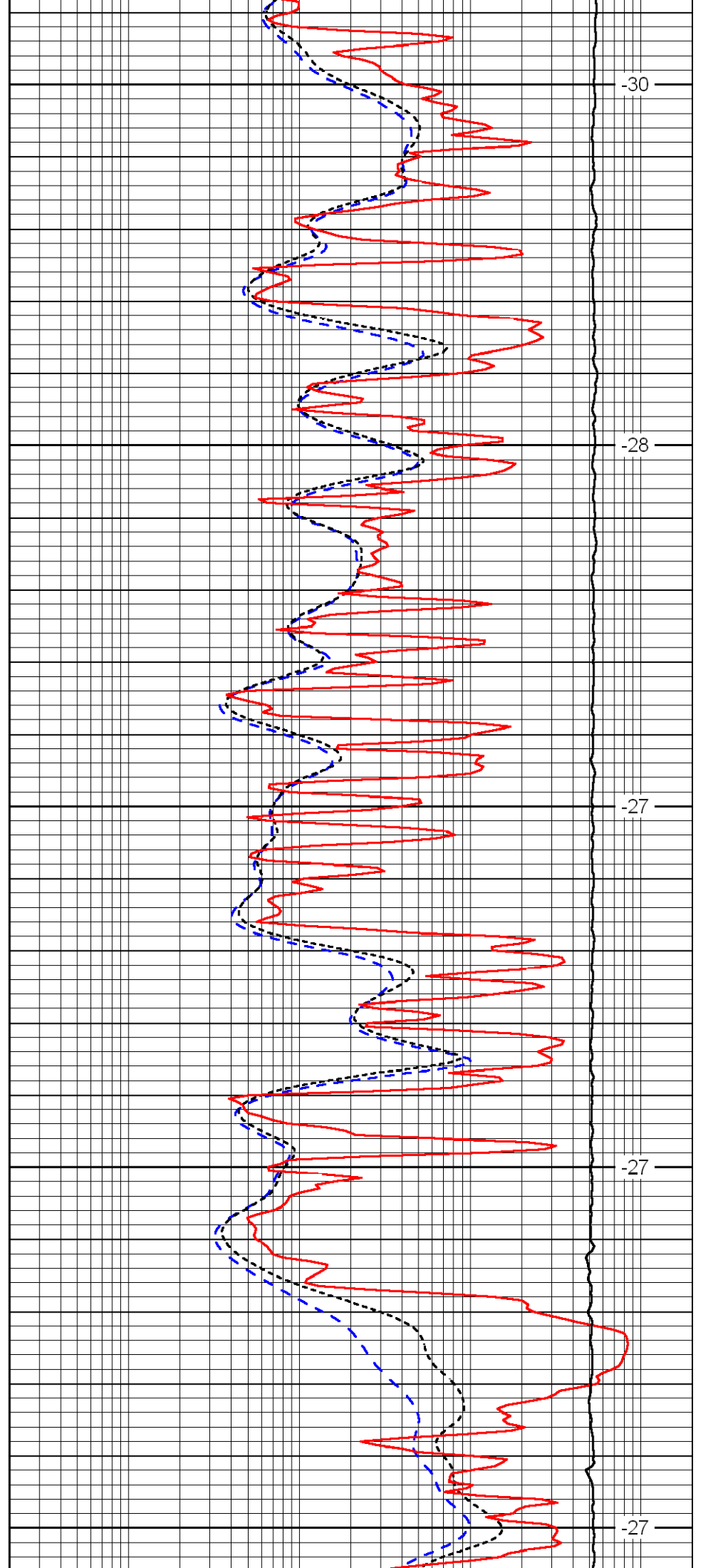
4500

4550

4600

4650

4700



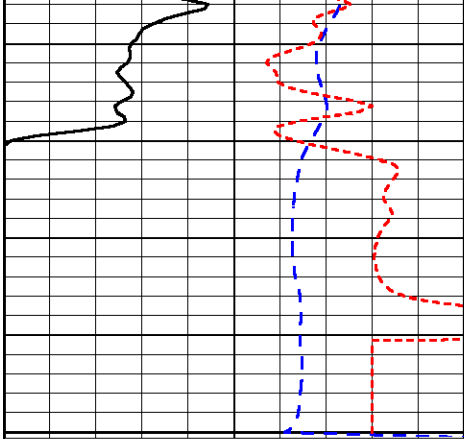
-30

-28

-27

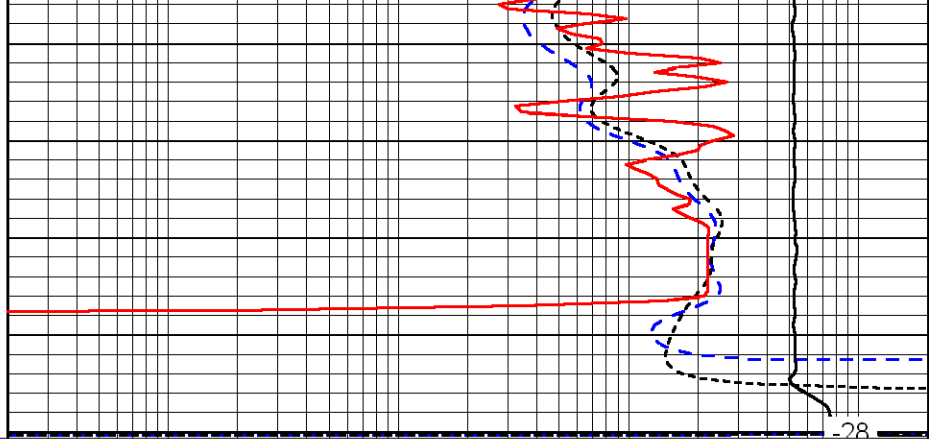
-27

-27



0	Gamma Ray	150
-200	SP (MV)	0
-160	Rxo / Rt	40

4750



0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
15000	Line Tension (lb)	0

28

LSPD (ft/min)
